CD AUTO CHANGER

KDC-C660/C660C /C560

SERVICE MANUAL

KENWOOD

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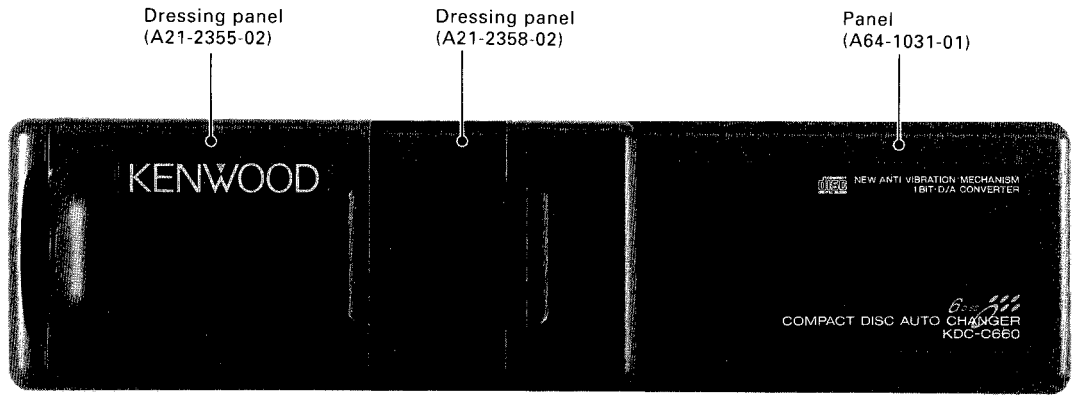
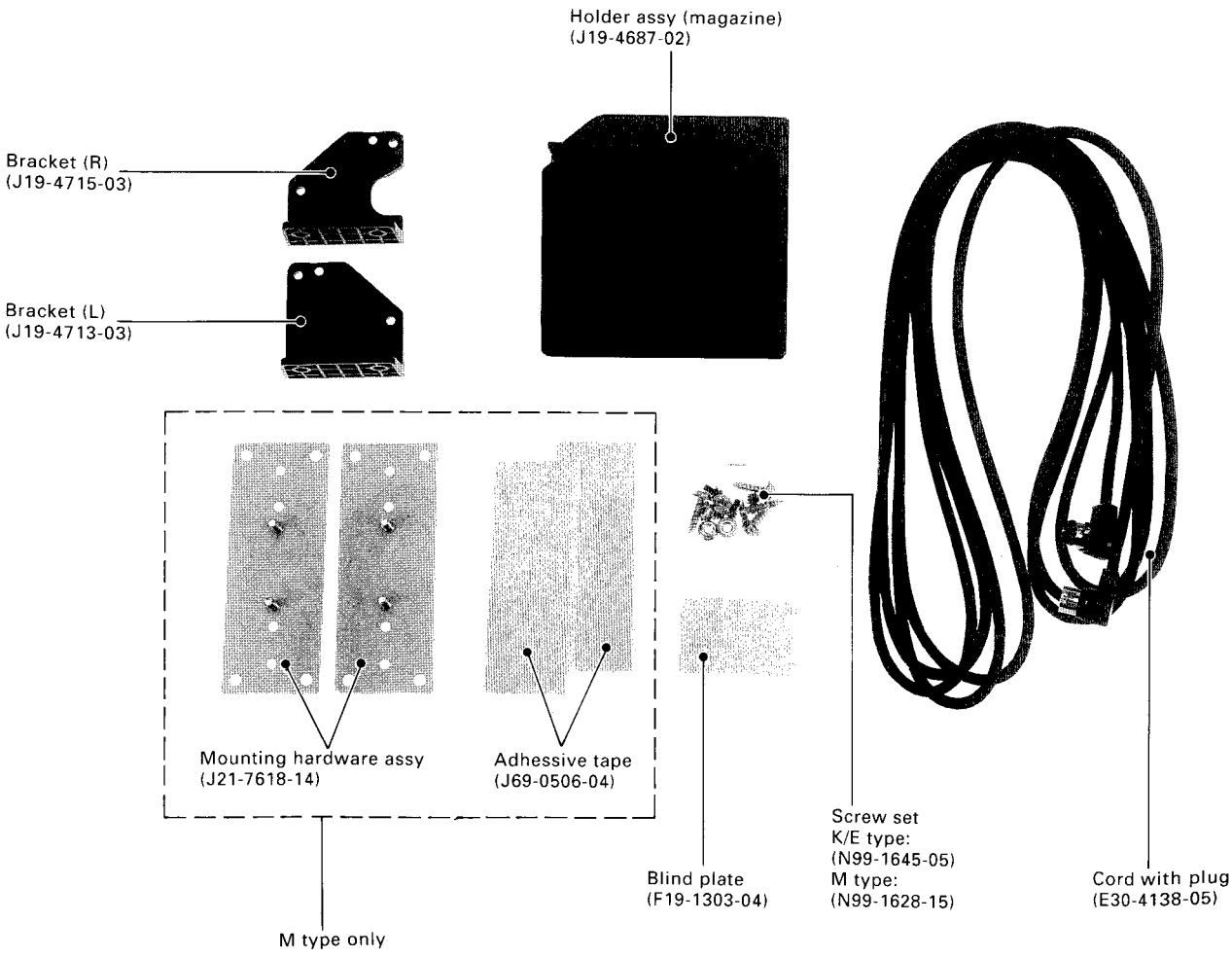
KDC-C660

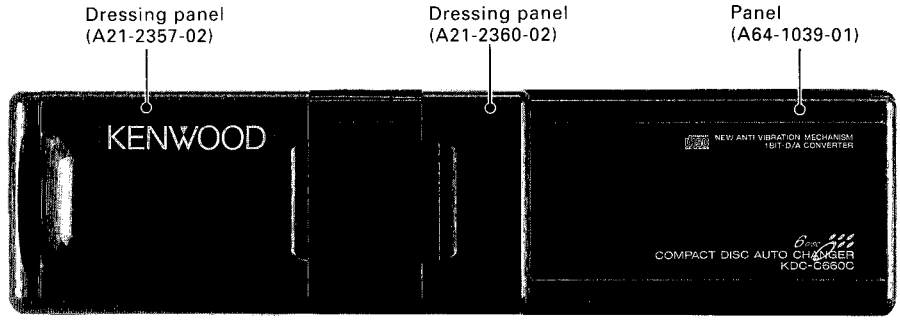


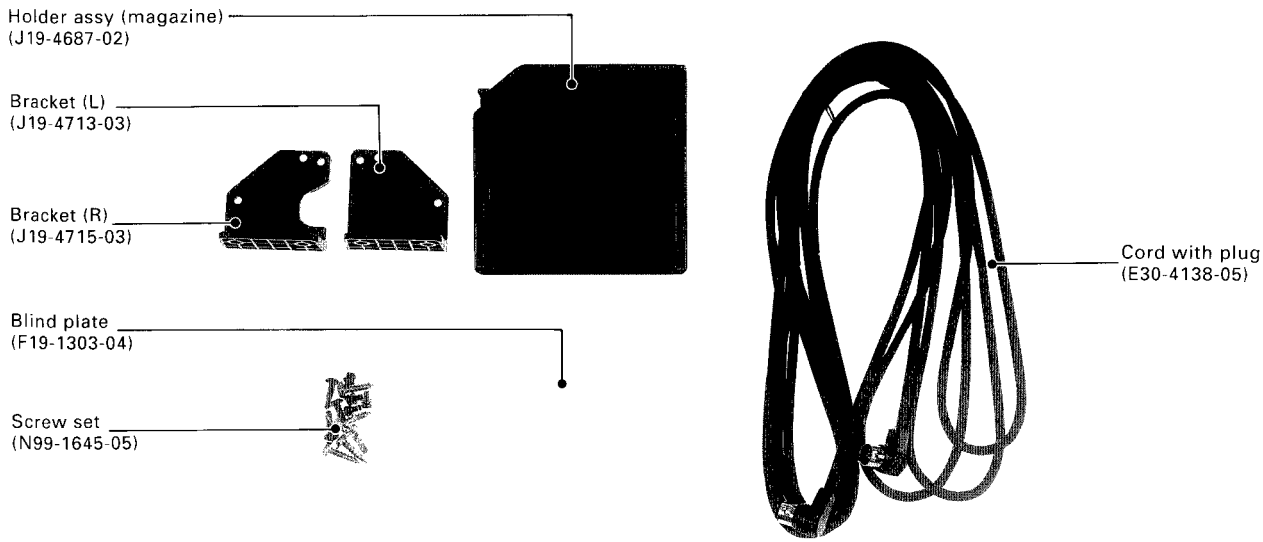


MC-Service

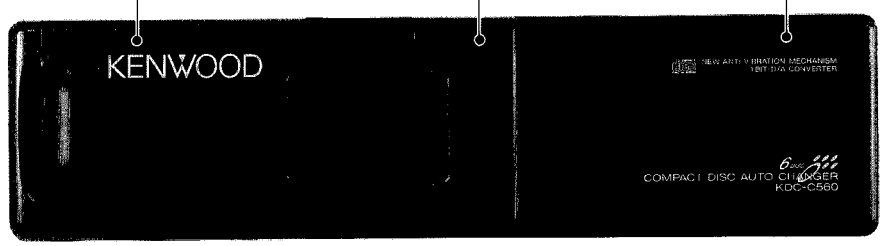
KDC-C660/C660C/C560

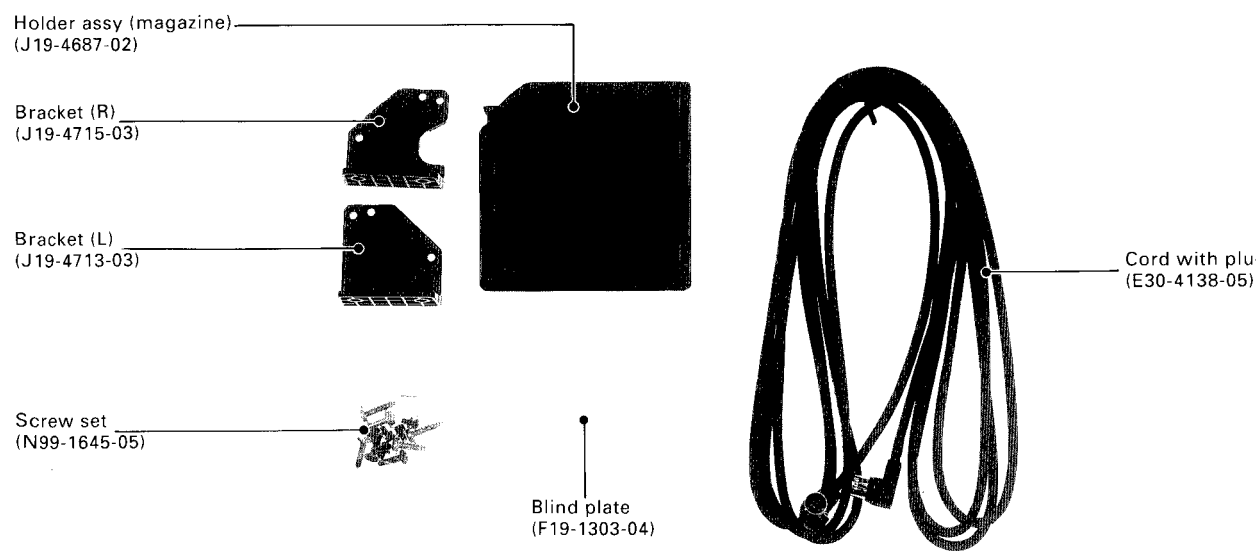
KDC-C660C





KDC-C560





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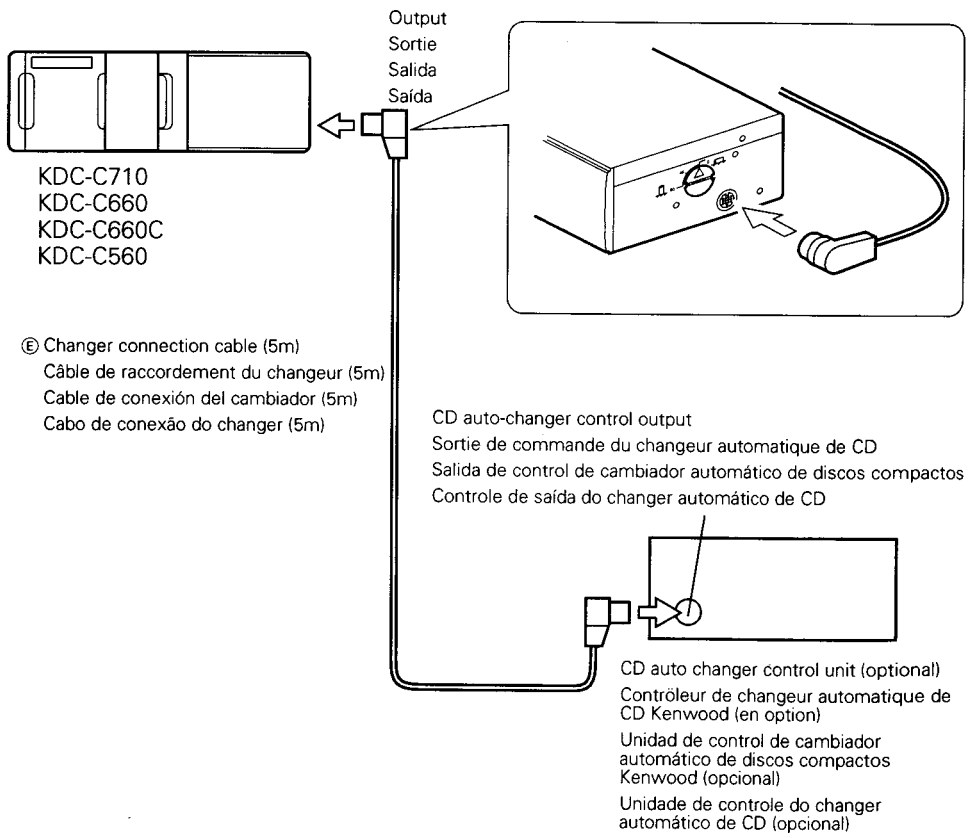
CONNECTIONS

Connections / Raccordements / Conexiones / Ligações


Output
Sortie
Salida
Saída
KDC-C710
KDC-C660
KDC-C660C
KDC-C560
Ⓔ Changer connection cable (5m)
Câble de raccordement du changeur (5m)
Cable de conexión del cambiador (5m)
Cabo de conexão do changer (5m)
CD auto-changer control output
Sortie de commande du changeur automatique de CD
Salida de control de cambiador automático de discos compactos
Controle de saída do changer automático de CD
CD auto changer control unit (optional)
Contrôleur de changeur automatique de CD Kenwood (en option)
Unidad de control de cambiador automático de discos compactos Kenwood (opcional)
Unidade de controle do changer automático de CD (opcional)

- Do not install an antenna of radio equipment or distribute the antenna cable near the changer output cable, for this could cause malfunction with this unit.
- Sous peine de provoquer une défaillance, ne pas installer l'antenne d'un équipement radio ou faire passer le câble d'antenne près du câble de sortie du changeur.
- No instale una antena de un equipo de radio ni los cables de la antena cerca del cable de salida del cambiador porque esto podría ser la causa de que este aparato funcione mal.
- Não instale a antena do equipamento de rádio ou deixe o cabo da antena ficar perto do cabo de saída do changer, pois isso pode provocar problemas de mau funcionamento neste aparelho.

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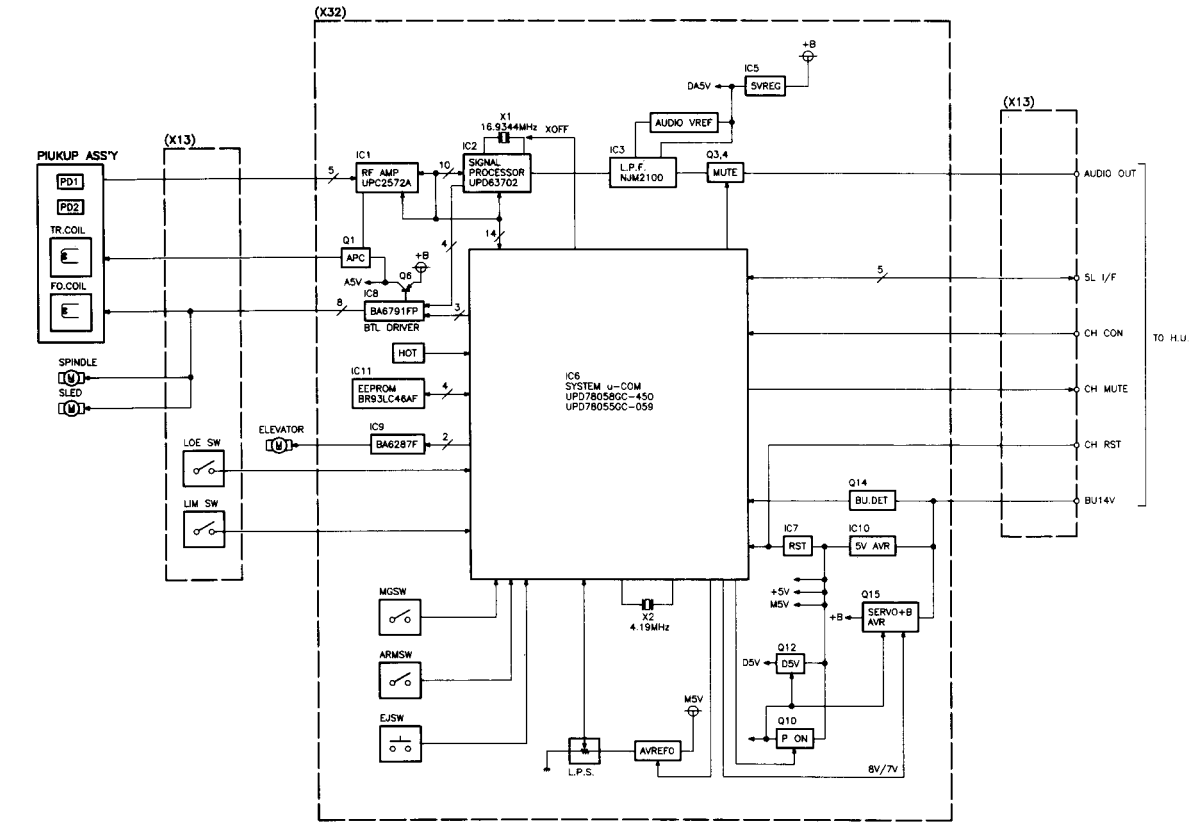
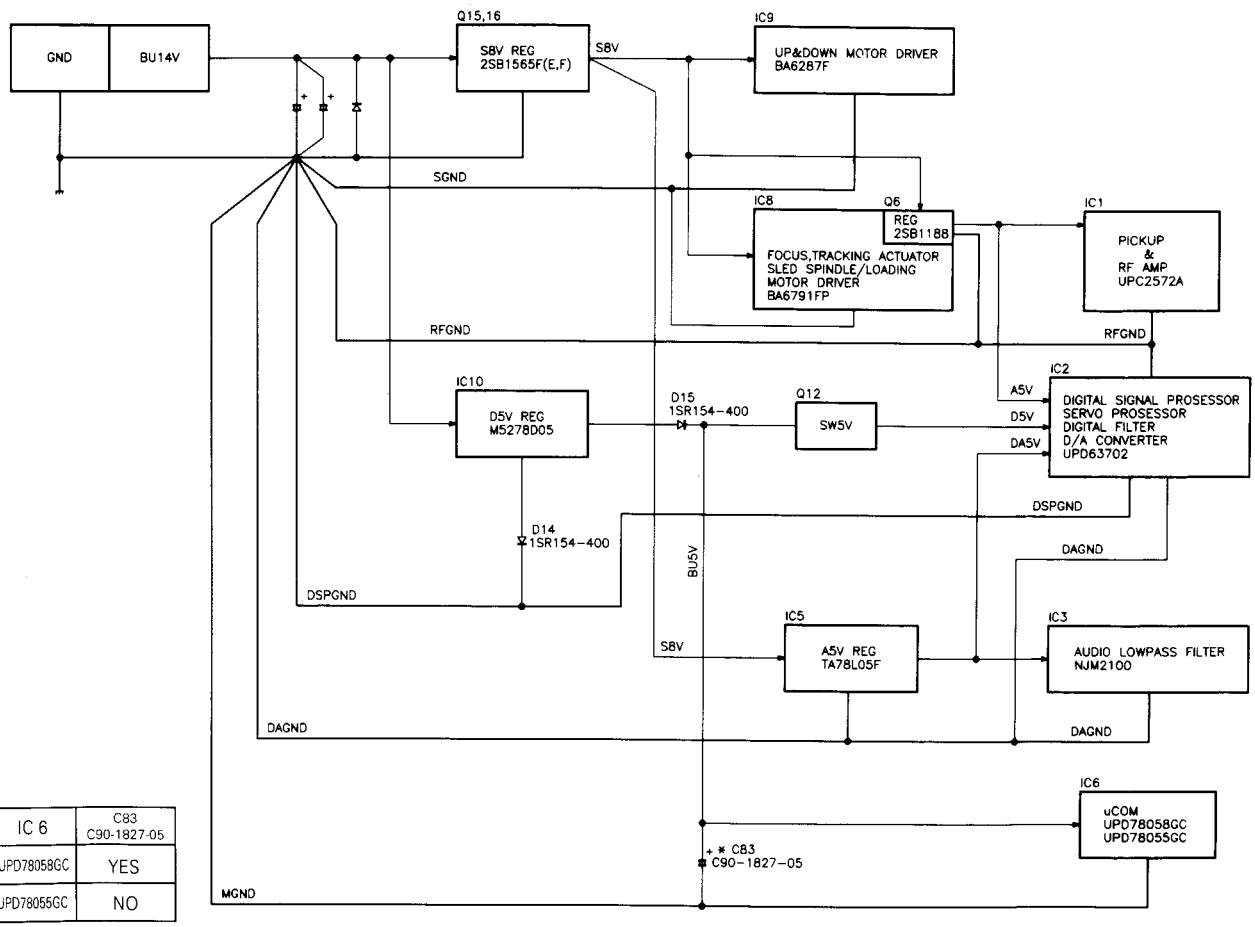
BLOCK DIAGRAM





MODEL	IC 6	C83 C90-1827-05
C660/C660C	UPD78058GC	YES
C560	UPD78055GC	NO

COMPONENTS DESCRIPTION

CD PLAYER UNIT(X32-4260-00)

Ref.No.	Prts No.	Use and Function	Operation and condition
IC1	PC2572A	RF amp & error amp	RF amplifier, focusing/tracking error amplifier, APC circuit, reference amplifier, mirror circuit, defect circuit, RF OK circuit, EFM comparator and vibration detector circuit.
IC2	PD63702	Digital servo data processor	Digital servo data processor, 8fs oversampling filter, D/A converter, digital loop filter.
IC3	NJM2100M	D/A converter output active filter	Differential amplifier.
IC5	TA78L05F	3-pin regulator	Supplies 5 V to the D/A converter and active filter.
IC6	UPD78058GC-450 UPD78055GC-059	System u-COM	
IC7	PST9137NR	Reset IC	
IC8	BA6791FP	Motor drive	Drives the focusing/tracking actuators, sled motor and spindle motor.
IC9	BA6287F	Motor drive	Drives the mechanism deck up-down motor.
IC10	M5278D05	3-pin regulator	5 V power supply for the servo circuitry.
IC11	AK93C45AF	Memory IC	Storage of data on the initial position of the mechanism deck up-down operation and on the distinction between 10-disc and 6-disc changer.
Q1	2SA1362(Y)	Laser control	Controls the laser current according to the voltage output from the IC1 LD terminal.
Q2	DTC124EK	Clock ON/OFF	Clock is turned OFF when the IC6 XOFF terminal outputs "H".
Q3,Q4	2SD2114K	Audio muting	Muting is turned ON when IC6 A.MUTE outputs "L".
Q5	DTA124EK	Audio muting	Muting is turned ON when IC6 A.MUTE outputs "L".
Q6	2SB1188	5 V optics power	Supplies the power from AVR 8 V to the A.VDD of the P-U, IC1 and IC2.
Q7	DTC124EK	H/U communication control	Inverts the CH-CON logic.
Q8	DTC124EK	Reset SW	The microcomputer is reset when CH-RST goes "H".
Q9	DTA114EK	LPS power SW	Goes ON when LPSCO of IC6 goes "L" at P-ON or during up-down operation.
Q10	2SA1362(Y)	P-ON SW	
Q11	DTA143EK	H/U communication control	Inverts the CH-MUTE logic.
Q12	2SA1362(Y)	Servo 5 V drive	
Q13	DTC124EK	Servo 5 V SW	Goes ON/OFF at P-ON.
Q14	DTC124EK	B-U power detect SW	
Q15	2SB1655(E,F)	8 V AVR drive	
Q16	2SC2412K	8 V AVR drive	
Q17	DTA143EK	8 V AVR SW	Turned ON/OFF by P-ON.
Q18	DTC124EK	8 V AVR SW	Turned ON/OFF by P-ON.
Q19	DTC124EK	AVR 8 V/7 V SW	7 V when "H" (normal play mode).8 V when "L" (mechanism loading-ejection operation, ELV).
Q20,Q21	DTC114YK	Focusing/tracking hold upon scratch detection	When a scratch is detected, holds the focusing error and tracking error signals at the reference.
Q22	2SC2412K	Scratch detect SW	

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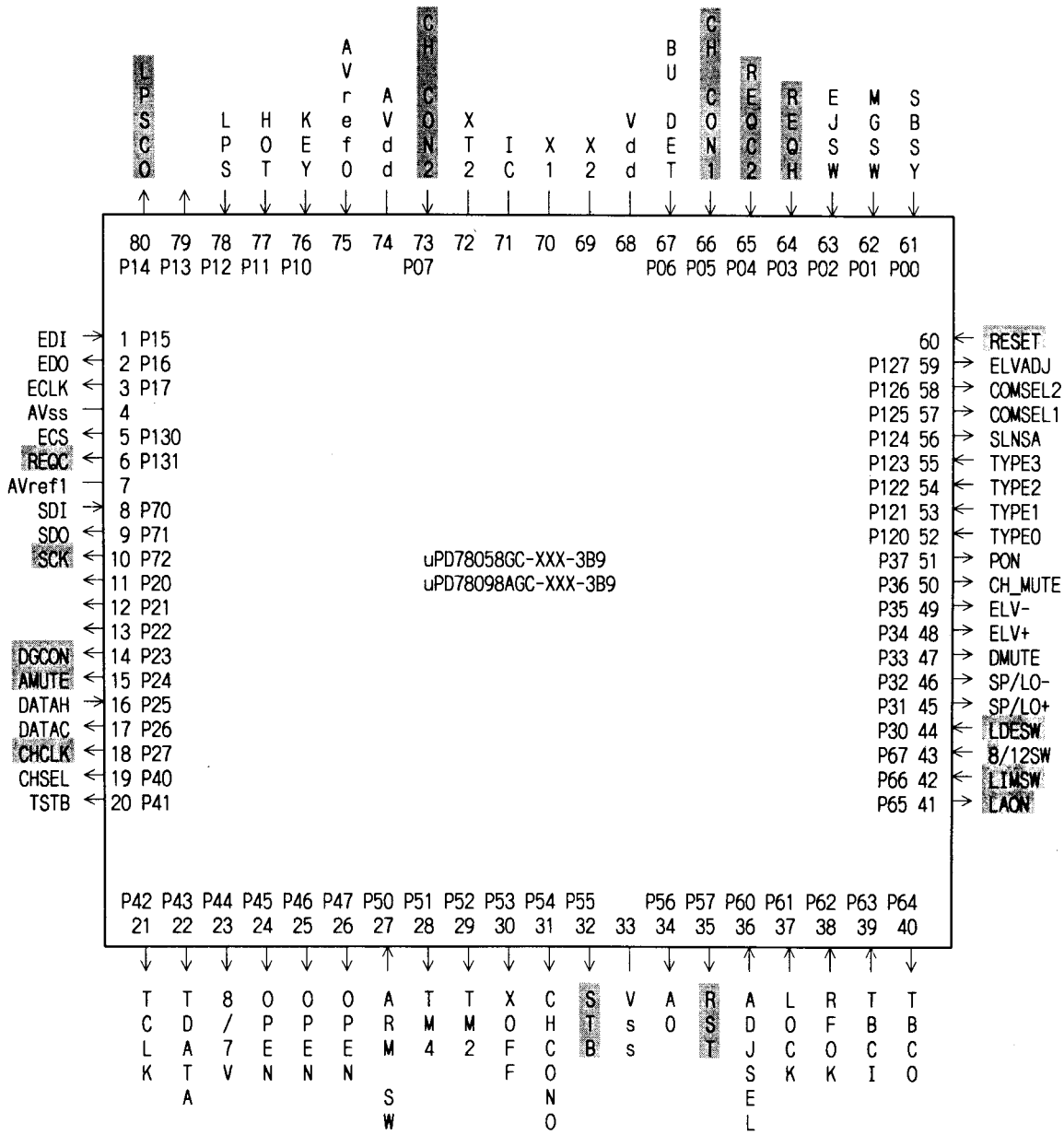
MICROCOMPUTER'S TERMINAL DESCRIPTION

(X32-) IC6: UPD78058GC-450,UPD78055GC-059

Terminal connection



MICROCOMPUTER'S TERMINAL DESCRIPTION

Terminal connection

Pin No.	Pin Name	I/O	Name	Pin Type	Function
1	P15	I	EDI	Push-pull	EEPROM data input.
2	P16	O	EDO	Buffer	EEPROM data output.
3	P17	O	ECLK	Buffer	EEPROM clock output.
4	AVss		AVss		
5	P130	O	ECS	Push-pull	EEPROM chip select output.
6	P131	O	REQC	Push-pull	Changer request output for 5-wire communication.
7	AVref1		AVref1		D/A converter reference voltage input
8	P70	I	SDI	Push-pull	Data input from servo IC.
9	P71	O	SDO	Buffe	Data output to servo IC.
10	P72	O	SCK	Push-pull	Clock output to servo IC.
11	P20	O		Push-pull	Not used (open).
12	P21	O		Push-pull	Not used (open).
13	P22	O		Push-pull	Not used (open).
14	P23	O	DGCON	Push-pull	Digital output control (not used)
15	P24	O	AMUTE	Push-pull	Audio muting output.
16	P25	I	DATAH	Schmitt trigger	H/U data input for 5-wire communication.
17	P26	O	DATAC	Push-pull	Changer data output for 5-wire communication.
18	P27	O	CHCLK	Push-pull	Changer clock output for 5-wire communication.
19	P40	O	CHSEL	Push-pull	Changer 1/2 switching.
20	P41	O	TSTB	Push-pull	Test mode strobe output.
21	P42	O	TCLK	Push-pull	Test mode clock output.
22	P43	O	TDATA	Push-pull	Test mode data output.
23	P44	O	8/7V	Push-pull	
24	P45	O		Push-pull	Not used.
25	P46	O		Push-pul	Not used.
26	P47	O		Push-pull	Not used.
27	P50	I	ARM_SW	Buffer	Arm SW input.
28	P51	O	TM4	Push-pull	4x-speed mode control output (not used).
29	P52	O	TM2	Push-pull	2x-speed mode control output (not used).
30	P53	O	XOFF	Push-pull	Servo IC oscillation OFF control output.
31	P54	O	CHCONO	Push-pull	CHCON output to stack changer.
32	P55	O	STB	Push-pull	Strobe output to servo IC.
33	Vss		Vss		Ground potential.
34	P56	O	A0	Push-pull	A0 output to servo IC.
35	P57	O	RST	Push-pull	Reset output to servo IC.
36	P60	I	ADJSEL	Buffer	Servo automatic adjustment invalidation selection terminal (for use in testing).
37	P61	I	LOCK	Buffer	Spindle servo lock detection.
38	P62	I	RFOK	Buffer	RF OK.
39	P63	I	TBCI	Buffer	Tracking filter bank switching input.
40	P64	O	TBCO	Push-pull	Tracking filter bank switching output.
41	P65	O	LAON	Push-pull	Laser ON.
42	P66	I	LIMSW	Push-pull	Limit switch input.
43	P67	I	8/12SW	Push-pull	8 cm/12 cm judgment switch (not used).

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MICROCOMPUTER'S TERMINAL DESCRIPTION

Terminal connection

Pin No.	Pin Name	I/O	Name	Pin Type	Function
44	P30	I	LEDSW	Push-pull	Loading end switch input.
45	P31	O	SP/LO+	Push-pull	Spindle/loading motor output +.
46	P32	O	SP/LO-	Push-pull	Spindle/loading motor output -.
47	P33	O	DMUTE	Push-pull	Driver muting.
48	P34	O	ELV+	Push-pull	Up-down motor output +.
49	P35	O	ELV-	Push-pull	Up-down motor output -.
50	P36	O	CH_MUTE	Push-pull	Changer muting output.
51	P37	O	PON	Push-pull	P-ON output.
52	P120	I	TYPE0	Buffer	Test mode input 0.
53	P121	I	TYPE1	Buffer	Test mode input 1.
54	P122	I	TYPE2	Buffer	Test mode input 2.
55	P123	I	TYPE3	Buffer	Test mode input 3.
56	P124	O	SLNSA	Push-pull	Sled dead sector invalidation setting (for testing).
57	P125	I	COMSEL1	Buffer	u-COM destination type terminal 1.
58	P126	I	COMSEL2	Buffer	u-COM destination type terminal 2.
59	P127	I	ELVADJ	Buffer	Up-down position adjustment mode terminal.
60	$\overline{\text{RESET}}$		$\overline{\text{RESET}}$		
61	P00	I	SBSY	Schmitt trigger	Subcode Q input timing detection input.
62	P01	I	MGSW	Schmitt trigger	Magazine switch input.
63	P02	I	EJSW	Schmitt trigger	Eject switch input.
64	P03	I	REQH	Push-pull	REQH input.
65	P04	I	REQC2	Push-pull	CH2 REQC input.
66	P05	I	CH_CON1	Push-pull	CH1 control input from H/U.
67	P06	I	BU_DET	Push-pull	B-U detection.
68	Vdd		Vdd		Positive power supply.
69	X2		X2		Main clock (4.19 MHz) connection terminal 2.
70	X1		X1		Main clock (4.19 MHz) connection terminal 1.
71	IC		IC		Internally connected.
72	XT2		XT2		
73	XT1	I	CH_CON2		CH2 control input from H/U. (Stack changer)
74	AVdd		AVdd		Analog power supply of A/D converter.
75	AVref0		AVref0		Reference input voltage of A/D converter.
76	P10	I	KEY	A/D converter	Key input terminal (for test mode).
77	P11	I	HOT	A/D converter	High temperature detection terminal.
78	P12	I	LPS	A/D converter	Linear position sensor.
79	P13	O		A/D converter	
80	P14	O	LPSCO	A/D converterL	PS power control.

MICROCOMPUTER'S TERMINAL DESCRIPTION

TEST Modes
E-88 test mode

●How to enter

While holding the magazine eject SW, reset the unit and keep on holding the eject SW for more second to enter the E-88 mode.
(Note) In the E-88 mode, the initial position detection operation at the time of reset start is not performed.

●Manual operation functions

The E-88 display appears when the H/U is set to the changer mode.
In this condition, the changer mechanism can be operated manually using the track search up/down and disc search up/down keys.

Track search Up key:	Operates the spindle/loading motor in the direction for pulling the disc tray into the mechanism deck (disc loading direction).
Track search Down key:	Operates the spindle/loading motor in the direction for returning the disc tray into the magazine (disc ejection direction).
Disc search Up key:	Operates the ELV motor in the direction for moving the mechanism deck upward.
Disc search Down key:	Operates the ELV motor in the direction for moving the mechanism deck downward.

●Position adjustment function

This function writes the mechanism position adjustment values in the EEPROM in the E-88 mode.

Adjustment procedure

1. With the mechanism in the magazine ejection condition, move the mechanism manually up and down to set the mechanism to the reference position.
2. Pressing the REP key of the H/U starts the judgment of the mechanism position and the distinction whether the changer is a 6-disc or 10-disc changer.
   If the mechanism position is extremely deviated from the reference position, the processing is aborted immediately.
3. The offset from the reference position is calculated and the 6/10 data and offset values are written in the EEPROM.
4. Data is read from the EEPROM to judge whether it has been written normally.
   When it is judged that the write operation has completed normally, the mechanism deck moves to the magazine ejection standby position.
   When it is judged that the write operation was abnormal, the mechanism performs no operation.

(Note) Mechanism reference position
6-disc mechanism: Position of the 3rd stage
10-disc mechanism: Position of the 6th stage

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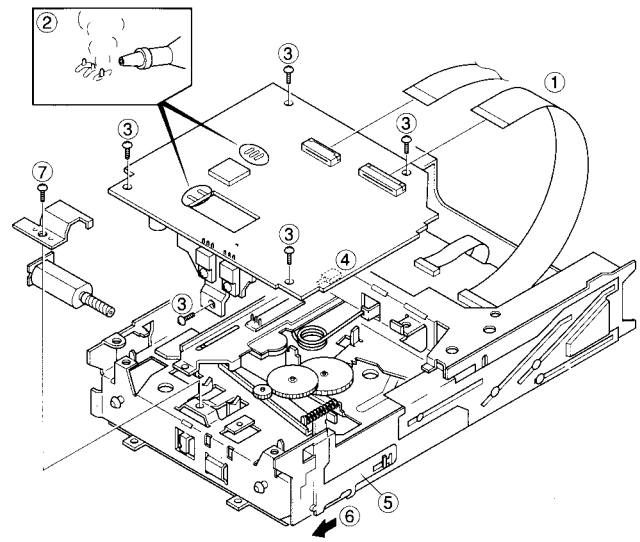
Mechanism Ass'y Disassembly Procedure

Overall

- ●Remove the 2 flexible cables. (①)
- ●Remove solder from 5 positions and free the Main board. (②)
- ●Remove the 5 screws (③) and take out the Main board.

  (Precaution in assembly)

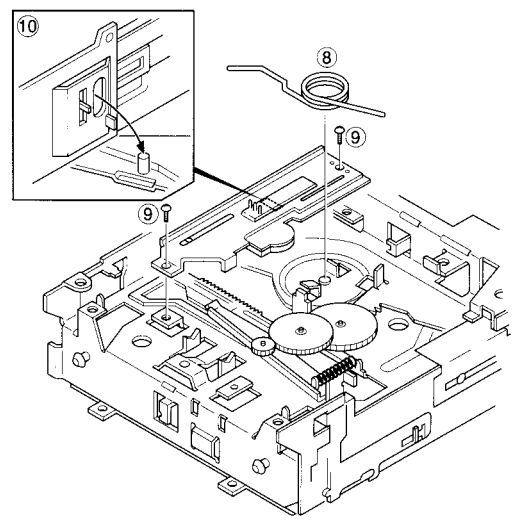
  When attaching the Main board, push the SW arm (⑤) outward so that the SW (④) does not hit the board. (⑥)
- ●Remove the screw (⑦) then remove the U-D (Up-Down) motor mounting hardware and the motor itself.



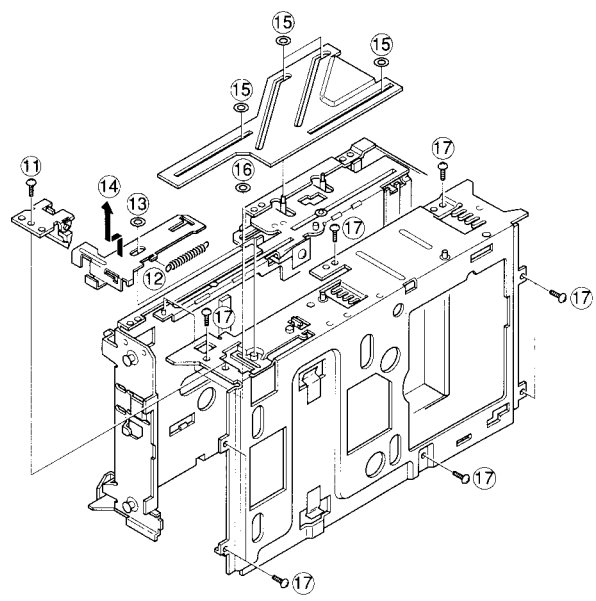
- ●Remove the U-D spring. (⑧)
- ●Remove the 2 screws (⑨) then remove the LPS ass'y.

  (Precaution in assembly)

  Attach the LPS ass'y by aligning and inserting the pin on the joint arm with the hollow section on the LPS ass'y. (⑩)

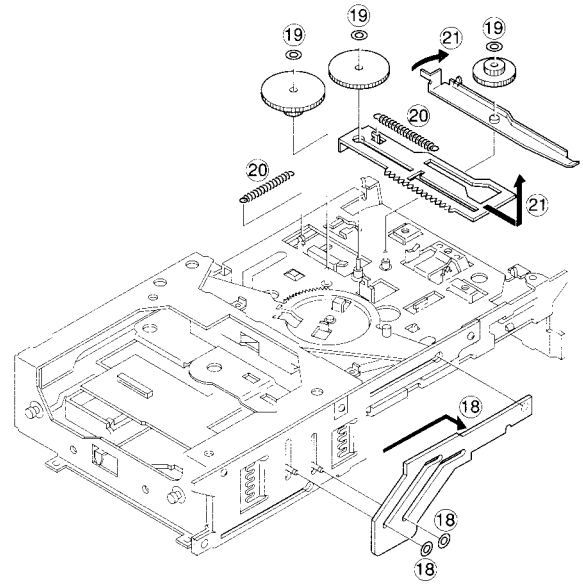


- ●Remove the screw (⑪) then remove the tray lock ass'y.
- ●Remove the spring (⑫) and the nylon washer (⑬) from the SW arm.
- ●Remove the hardware by sliding it while lifting one side. (⑭)
- ●Remove the 4 nylon washers (⑮) and remove the B (Back) slider.
- ●Remove the nylon washer (⑯) from the MD (Mechanism Deck).
- ●Remove the 8 screws (⑰) then remove chassis U (Up).



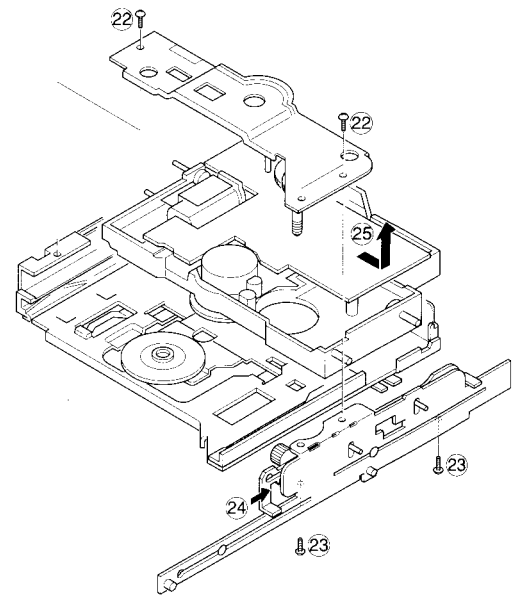
Mechanism Ass'y Disassembly Procedure

●Remove the 2 nylon washers (⑱).
●Remove the F (Front) slider after moving it to the left end. (⑱)
●Remove the 3 nylon washers and the 3 gears. (⑲)
●Remove the 2 springs (⑳).
●Remove the 2 levers by moving each of them to the position where it can be taken out. (㉑)



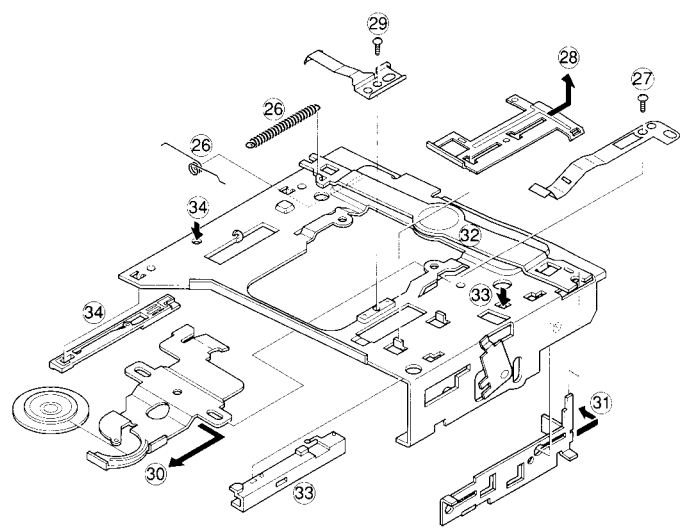
Mechanism deck

●Remove the 3 screws (㉒) then remove the clutch gear ass'y.
●Remove the 2 screws (㉓) from the rack gear ass'y.
●Move the rack gear to the extremity and remove the rack gear ass'y. (㉔)
●Remove the pickup ass'y. (㉕)



Clamper ass'y

●Remove the 2 springs (㉖).
●Remove the screw (㉗) then remove the cancel plate spring.
●Remove the cancel slider by moving it to the right end while lifting it slightly. (㉘)
●Remove the screw (㉙) and remove the clamper holder plate spring, clamper and clamper lever. (㉚)
●Remove cam F. (㉛)
●Remove the MD joint arm by rotating it counterclockwise while lifting it slightly. (㉜)
●Remove plastic guide A by moving it toward the left while lifting its stopper section slightly. (㉝)
●Remove plastic guide B by moving it toward the left while lifting its stopper section slightly. (㉞)



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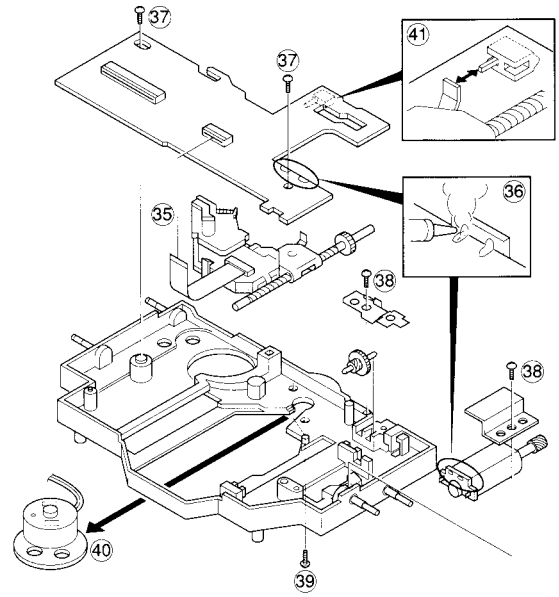
Mechanism Ass'y Disassembly Procedure

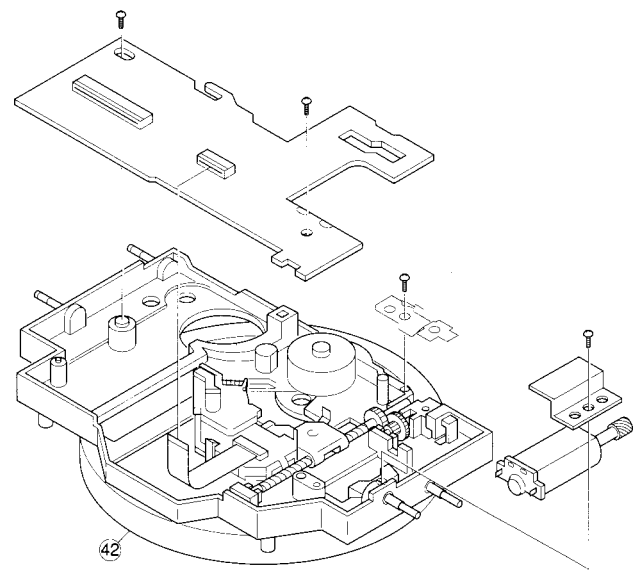
Pickup ass'y

- ●Remove the pickup flexible cable. (㉟)
- ●Remove solder from 2 positions. (㊱)
- ●Remove the 2 screws (㊲) then remove the PC board.
- ●Remove the 2 screws (㊳) then remove the motor, retaining hardware and pickup.
- ●Remove the 2 screws (㊴) then remove the motor. (㊵)

(Precautions in assembly)

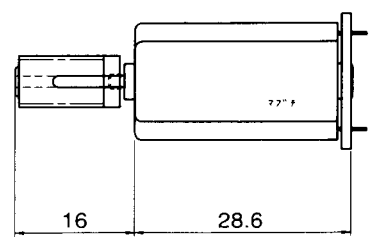
- ●When attaching the motor, place it so that the lead wire side comes outside and be careful in the styling of the lead wire so that it does not contact the gear.
- ●Before attaching the PC board, check that the pickup is not located at the innermost position so that the limit SW does not hit it. (㊶)
- ●When detaching or attaching the hardware and PC board retaining screws, place the ass'y on a loop of plastic tape reel, etc. (㊷) so that the turntable does not contact the work bench surface.



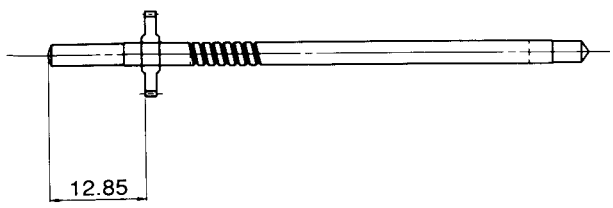


Gear attaching position

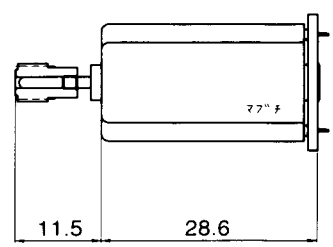
- ●The gears of the U-D motor, sled motor and screw gear ass'y should be attached as shown below. Be sure to observe the lengths indicated below when push-fitting these parts.



U-D motor



Screw gear ass'y

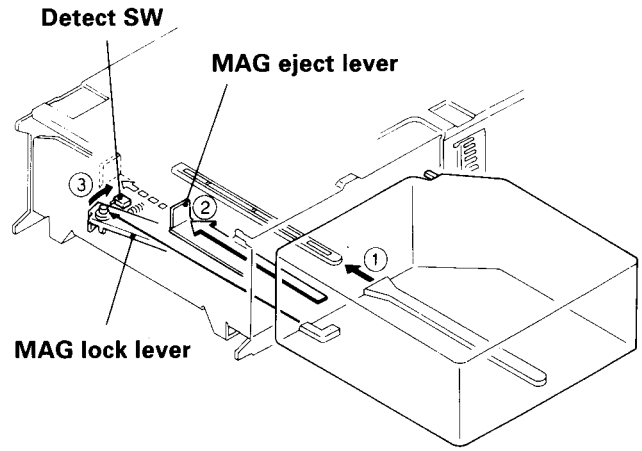


Sled motor

CD Changer Mechanism Operation Description

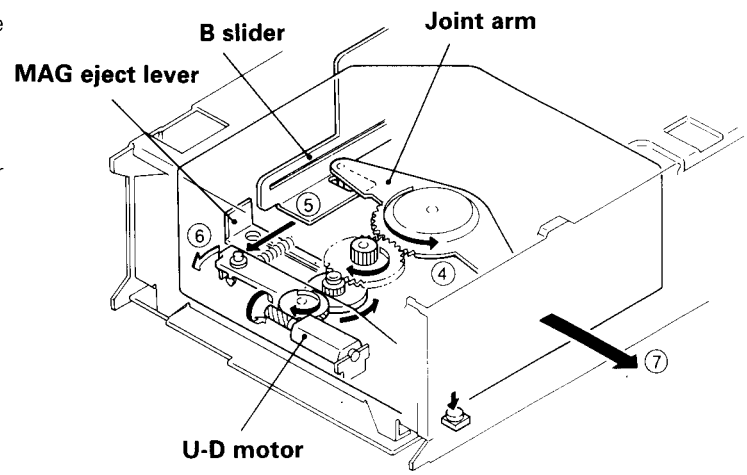
Magazine insertion

- Insert the magazine into the mechanism (①). The maga zine moves toward the rear of the unit while pushing the MAG eject lever (②). When the magazine reaches the end position, the MAG lock lever rotates (③) to lock the magazine.
- The rotation of the MAG lock lever turns the magazine detect switch ON so the magazine insertion is recognized.



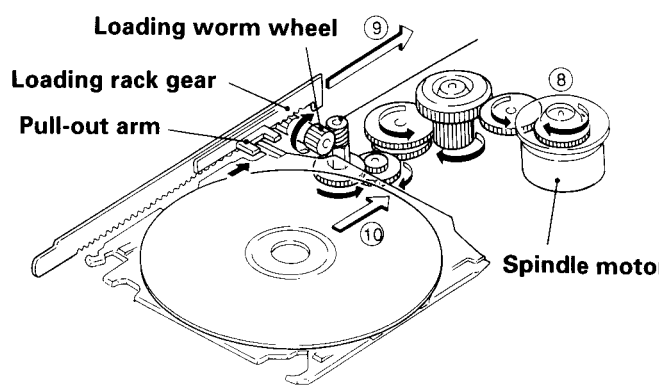
Magazine ejection

- When the magazine eject button is pressed, the magazine tray returns in the magazine, and the joint arm is rotated driven by the U-D motor (④). Then the B (Back) slider which is interlocked with the joint arm moves in the direction of the arrow (⑤) and pushes the MAG lock lever (⑥).
- When the MAG lock lever is pushed, the magazine is unlocked then ejected by the MAG eject lever and MAG eject spring (⑦).
  (During the above operation, the resistance of the linear position sensor controls the operating positions by voltage.)



Disc loading

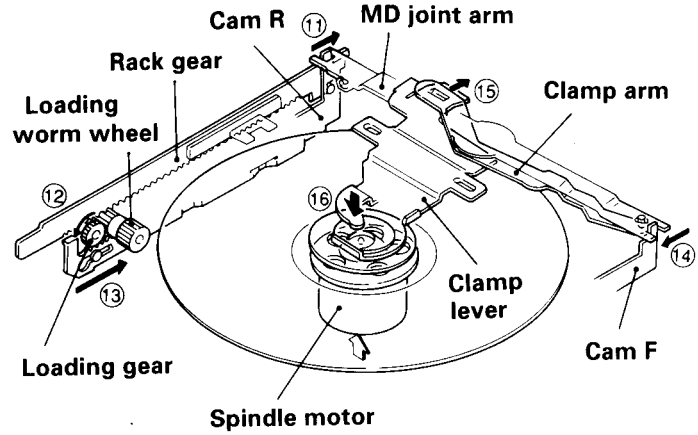
- When the disc loading command is received, the spindle motor starts rotation (⑧). This rotation is transmitted through the worm gear and worm wheel and activates the loading rack gear (⑨).
- The rack gear has a pull-out arm, which pulls the magazine out of the tray(⑩).



KDC-C660/C660C/C560

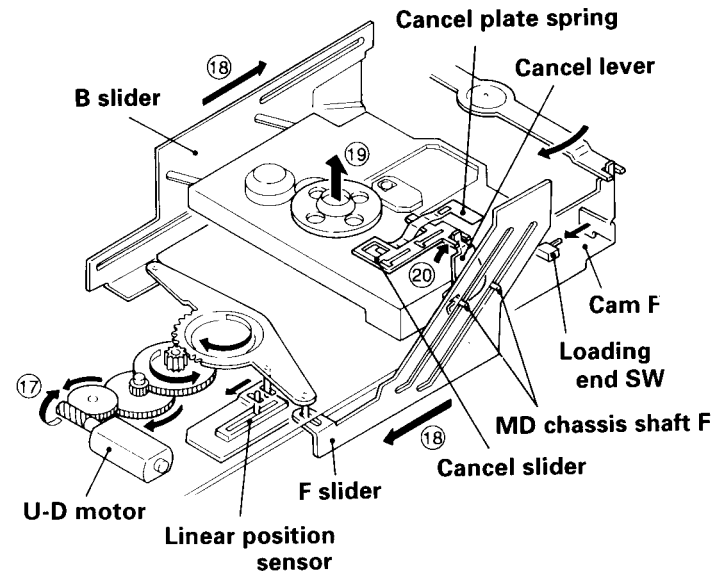
CD Changer Mechanism Operation Description

●When the rack gear approaches the end, it kicks cam R (⑪). This causes cam R to be engaged with the loading gear (⑫) so cam R slides together with the rack gear (⑬).
●As cam R is joined with the MD (Mechanism Deck) joint arm and cam F, they also start to move similarly (⑭).
●As the MD joint arm is joined with the clamp arm, it starts to rotate (⑮). This rotation moves the clamp lever down and initiates the chucking ready state (⑯).
●When cam F which is joined with cam R pushes the loading end SW, loading is completed and the spindle motor is stopped.



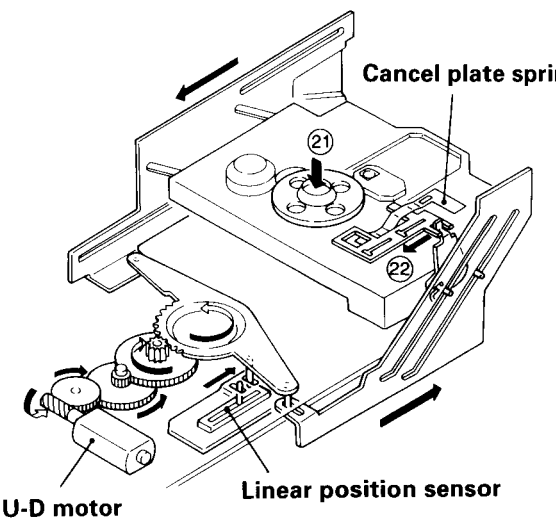
Disc chucking

●At the same time as the loading end SW turns ON, the lock of the MD chassis shown in the illustration is unlocked by cam R and cam F.
●MD chassis shafts F and R are joined with the F (Front) slider and B (Back) slider. After completion of loading, the U-D motor starts the drive (⑰) and moves the F and B sliders toward the chucking direction (⑱). This causes the MD chassis to move upward for chucking (⑲).
●During the above operation, the cancel lever joined with MD chassis shaft F activates the cancel slider (⑳) and lifts the cancel plate spring.
(The cancel plate spring is provided to push the disc against the tray so that the disc does not drop during loading.)
●The position of the upward movement of the MD chassis is detected by the linear position sensor shown in the illustration.



Unchucking

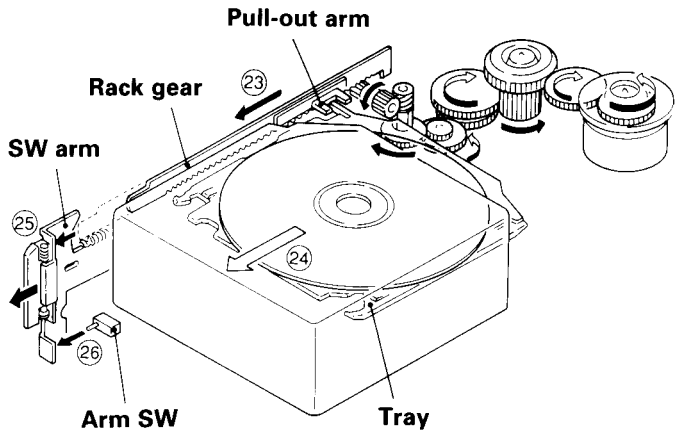
●When the unchucking command is received, the U-D motor starts the drive to move the F and B sliders and move the MD chassis downward (㉑).
●Unchucking completes when the MD chassis has moved down to the specified position. The cancel plate spring also moves in interlocking with the downward movement(㉒).
●The unchucking position is detected by the linear position sensor.



CD Changer Mechanism Operation Description

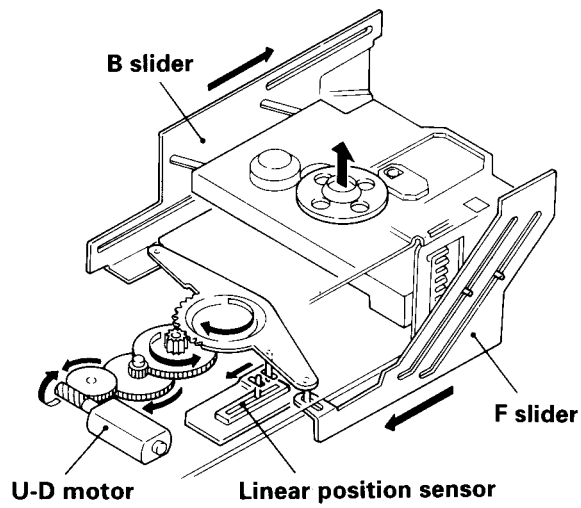
Disc ejection

- When unchucking has completed, cams F and R, the MD joint arm, clamp arm and rack gear move in the opposite directions to the directions during loading (㉓).
- The disc is moved into the magazine by the pull-out arm of the rack gear (㉔).
- When the tray including a disc comes inside the magazine, the extremity of the rack gear pushes the SW arm (㉕).
- The SW arm turns OFF the arm SW which detects the completion of ejection (㉖). Now the ejection has completed.



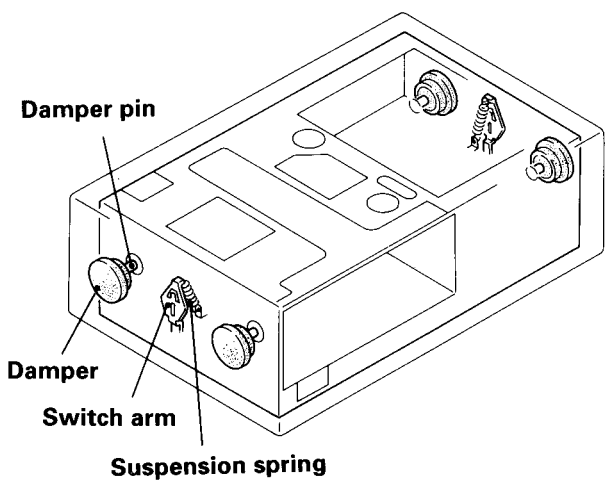
Stage detection (up/down movement)

- The stage containing the disc to be played is detected based on the value of the linear position sensor according to the up/down movement of MD that is caused by the operations of the F and B sliders under the U-D motor drive.



Mechanism floating

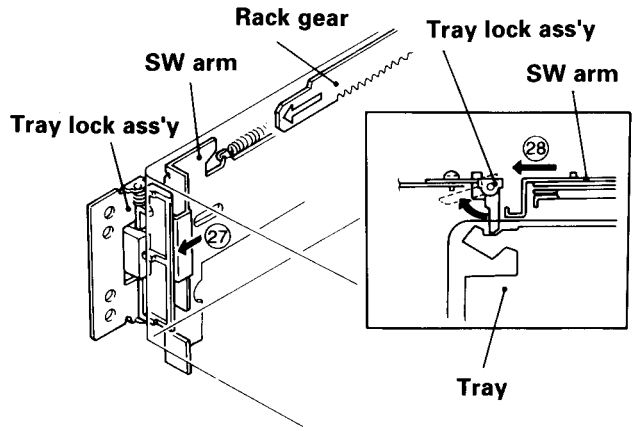
- The mechanism floating is provided as a vibration countermeasure and features the entire mechanism floating, which is different from the method adopted by the CHM-100 and 200 (previous KENWOOD mechanisms).
- The damper is inserted in the damper pin as shown below and fixed on the cabinet.
- The vertical, horizontal and 45-degree positioning can be switched by rotating the switch arm on the cabinet.
- The switch arm is connected with a suspension spring and the mechanism.



CD Changer Mechanism Operation Description

Tray lock mechanism

- The tray lock ass'y shown in the illustration is used to prevent the jumping out of the magazine in case a shock is applied to the changer.
- The tray is locked by the SW arm which is interlocked with the rack gear operation (㉗).
- When the SW arm moves toward the loading direction, the arm of the lock ass'y rotates and locks the tray. The tray is unlocked when the SW arm moves toward the ejection direction (㉘).

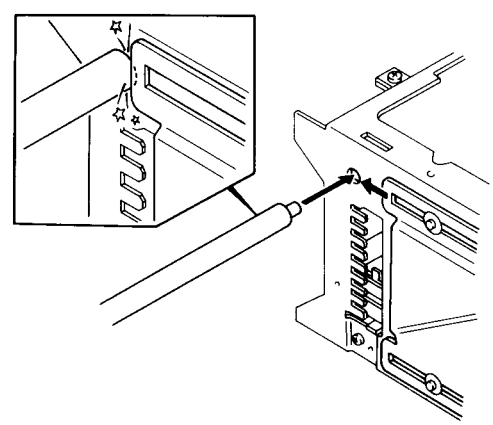


Initial adjustment of the linear position sensor (LPS)

- With the mechanism of this unit, all of the operations associated with the movements of the F and B sliders, such as the stage detection, chucking position and ejection position are detected by the LPS.
- When the mechanism is in the initial state, after it has been disassembled or after its PC board has been replaced, the initial position of the LPS should be adjusted to eliminate the LPS variance as well as the mechanism variance.
- With the magazine set to the specified stage, the value indicated by the LPS is read. the position is detected by considering the error between the read value and the designed value.
- The values obtained in the adjustment are stored in the E2PROM, and the judgment between the 10-disc changer and 6-disc changer is made.
- When the PC board is new (when nothing is written in the E2PROM), the head unit (H/U) display shows "E-77".

LPS initial position adjustment procedure

Connect the changer to the H/U. While holding the magazine eject button of the changer, press the reset button of the H/U and, in about 1 second, release the magazine eject button. Press the CD button of the H/U to enter the [E-88] mode. Move the mechanism deck to around the 1st stage by pressing the [DISC-] or [DISC+] button.
Insert the adjustment tool into the tool hole on the changer mechanism. Then press the [DISC+] button to move the mechanism deck until the mechanism's slider hits the adjustment tool. When the motor locks (stops) press the [REPEAT] key of the H/U.
When the [REPEAT] key is pressed, the mechanism moves automatically to the 1st stage and the initial position adjustment completes. (The data is written in the E2PROM at this time.)

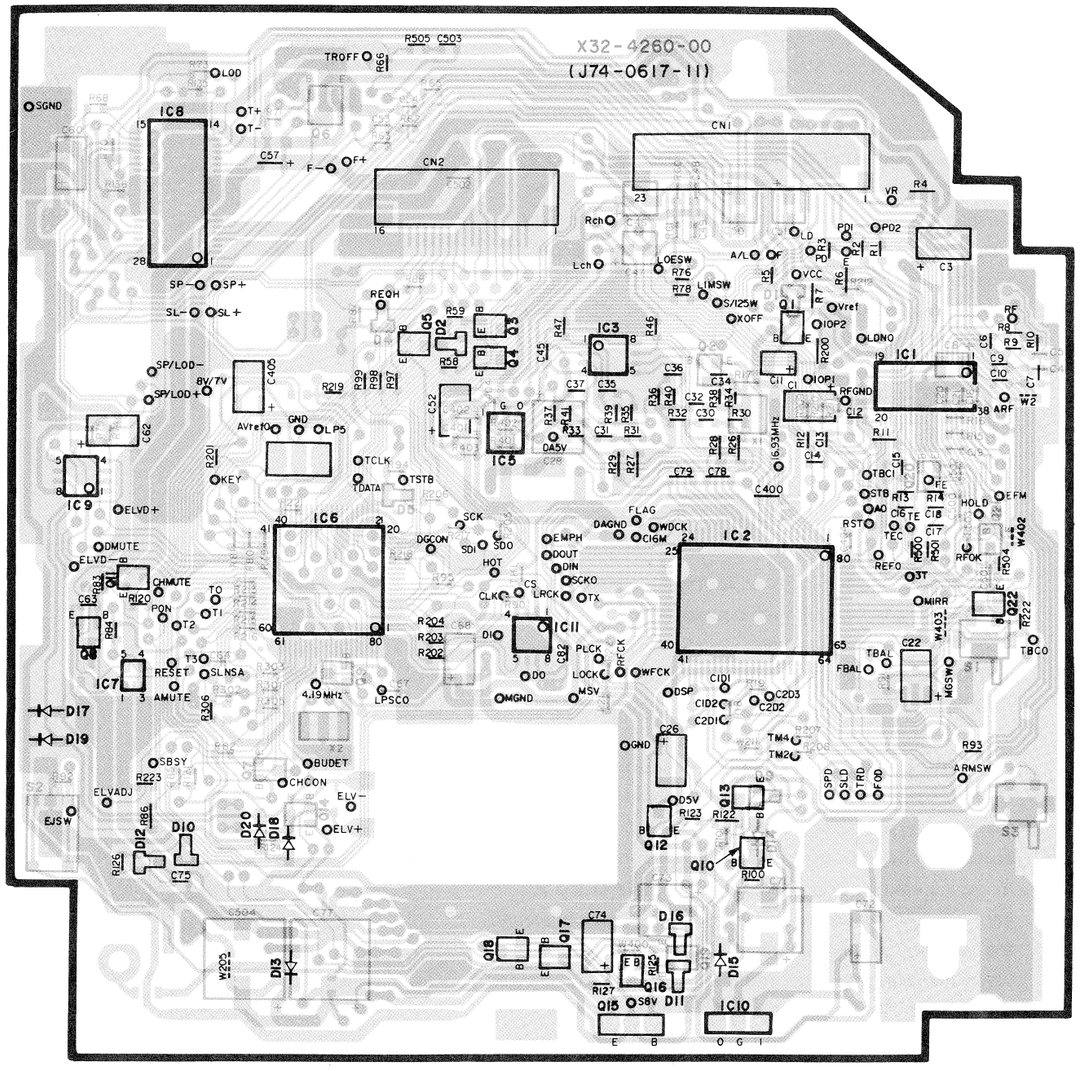


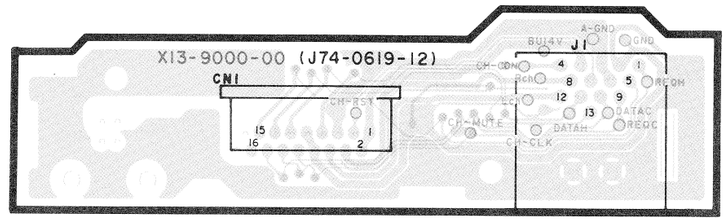
PC BOARD (COMPONENT SIDE VIEW)

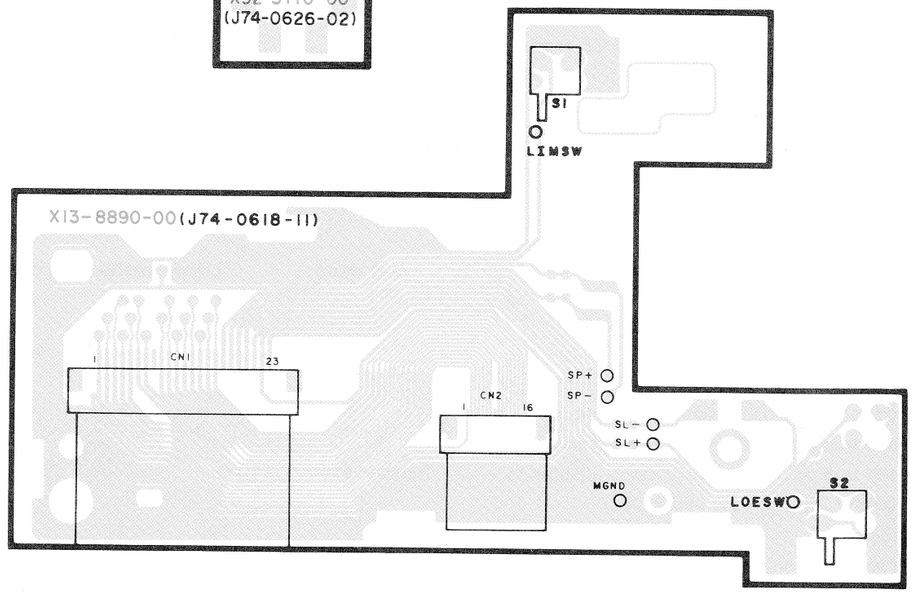
Ref No.	IC1	IC2	IC3	IC5	IC6	IC7	IC8	IC9	IC10	IC11
Adress	4E	4D	3C	4C	4B	5A	3B	4A	6D	5C

Ref No.	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19
Adress	3D	3D	3C	3C	3C	2B	5B	5A	5B	5D	4A	5C	5D	5B	6C	6C	6C	6C	6D

CD PLAYER UNIT (X32-4260-00)







MC-Service

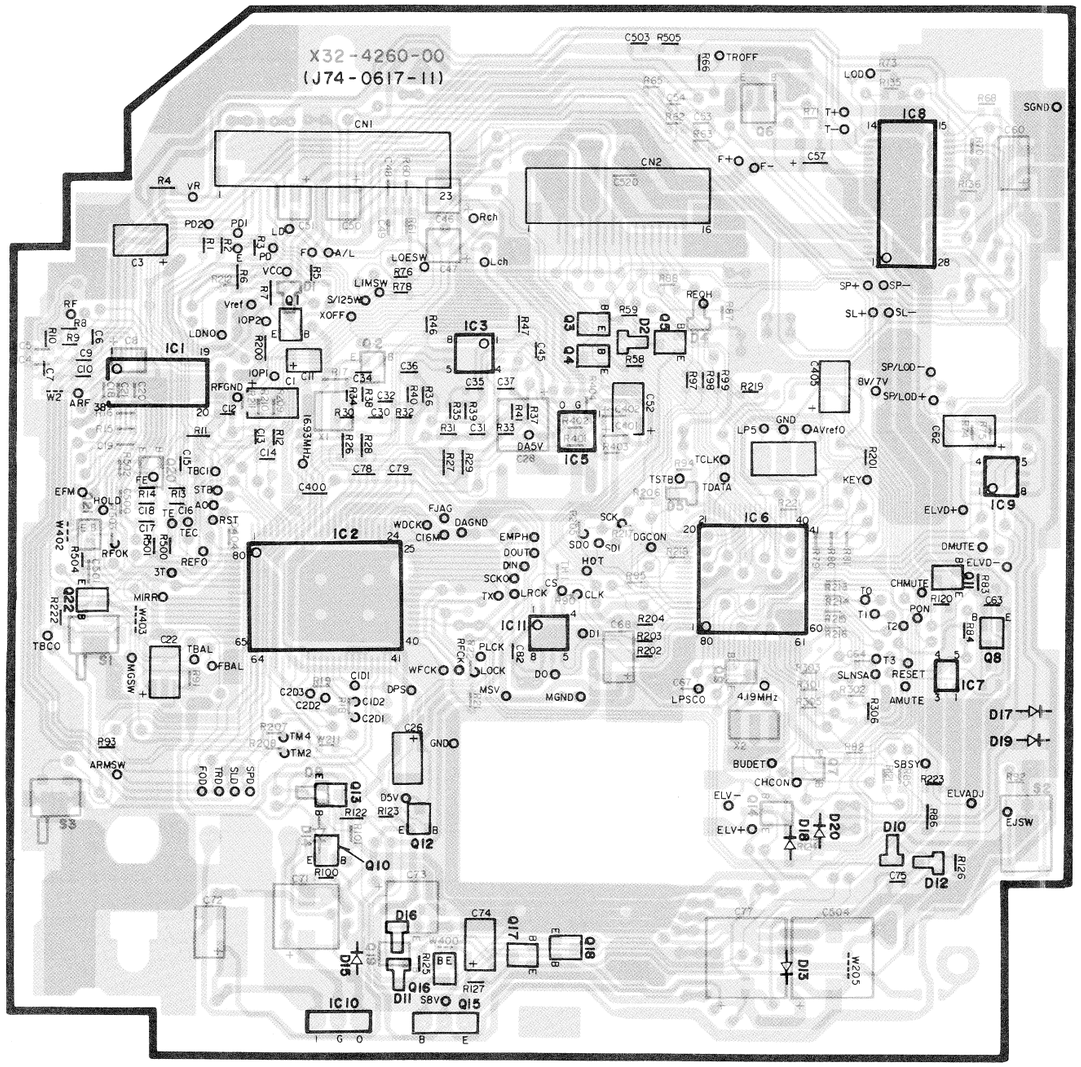
Refer to the schematic diagram for the values of resistors and capacitors.

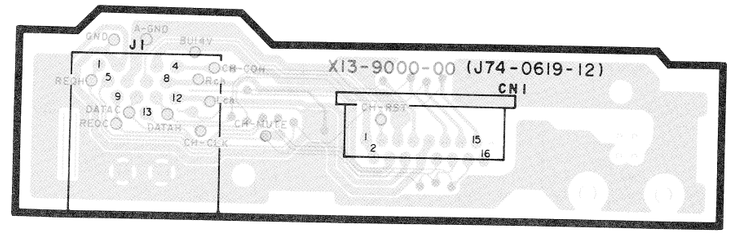
PC BOARD (FOIL SIDE VIEW)

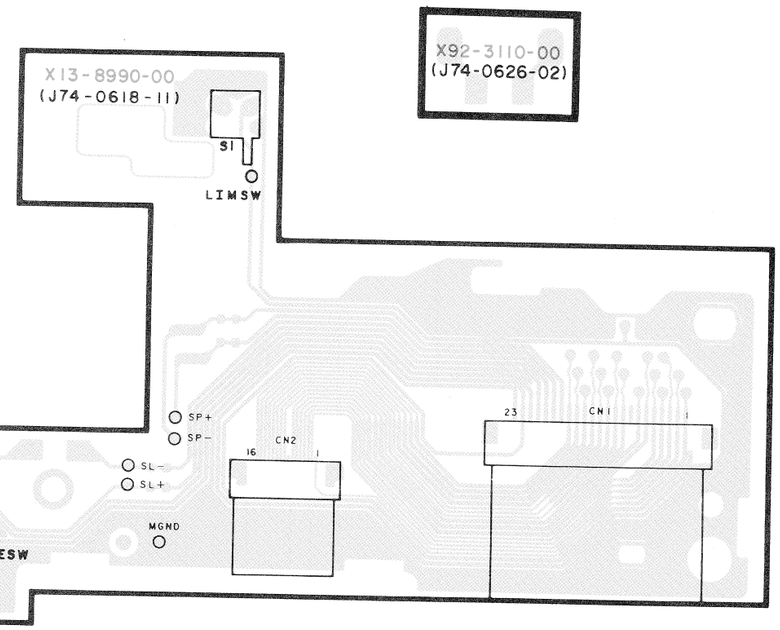
Ref No.	IC1	IC2	IC3	IC5	IC6	IC7	IC8	IC9	IC10	IC11
Adress	3L	4L	3M	4M	4N	5O	3O	4O	6L	4M

Ref No.	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19
Adress	3L	3L	3M	3M	3N	2N	5N	4O	5N	5L	4O	5M	5L	5N	6M	6M	6M	6M	6M

CD PLAYER UNIT (X32-4260-00)



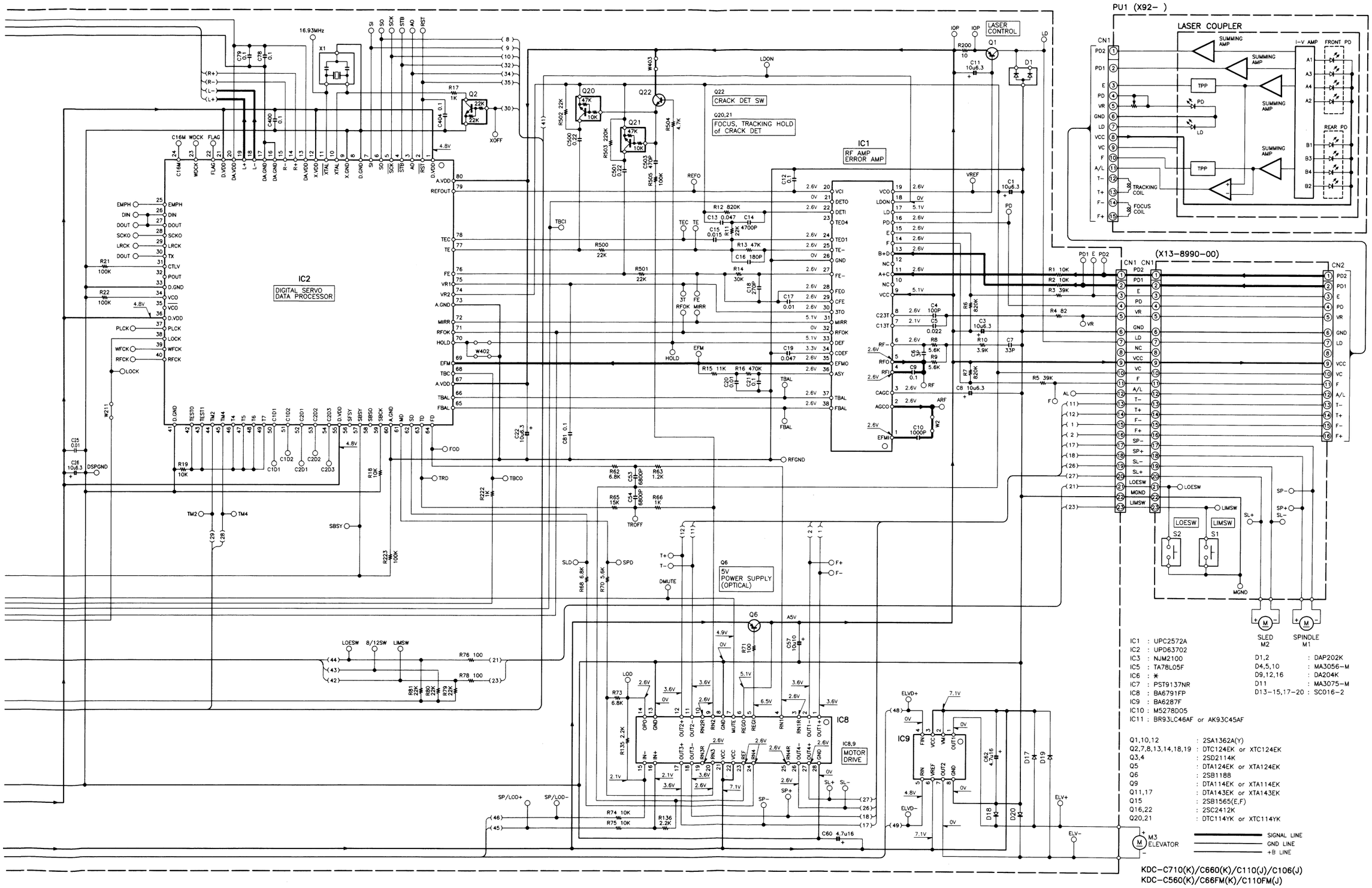




MC-Service

Refer to the schematic diagram for the values of resistors and capacitors.

| | | |



IC1 : UPC2572A
IC2 : UPD63702
IC3 : NJM2100
IC5 : TA78L05F
IC6 : *
IC7 : PST9137NR
IC8 : BA6791FP
IC9 : BA6287F
IC10 : M5278D05
IC11 : BR93LC46AF or AK93C45AF

D1,2 : DAP202K
D4,5,10 : MA3056-M
D9,12,16 : DA204K
D11 : MA3075-M
D13-15,17-20 : SC016-2

Q1,10,12 : 2SA1362A(Y)
Q2,7,8,13,14,18,19 : DTC124EK or XTC124EK
Q3,4 : 2SD2114K
Q5 : DTA124EK or XTA124EK
Q6 : 2SB1188
Q9 : DTA114EK or XTA114EK
Q11,17 : DTA143EK or XTA143EK
Q15 : 2SB1565(E,F)
Q16,22 : 2SC2412K
Q20,21 : DTC114YK or XTC114YK

KDC-C710(K)/C660(K)/C110(J)/C106(J)
KDC-C560(K)/C66FM(K)/C110FM(J)

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

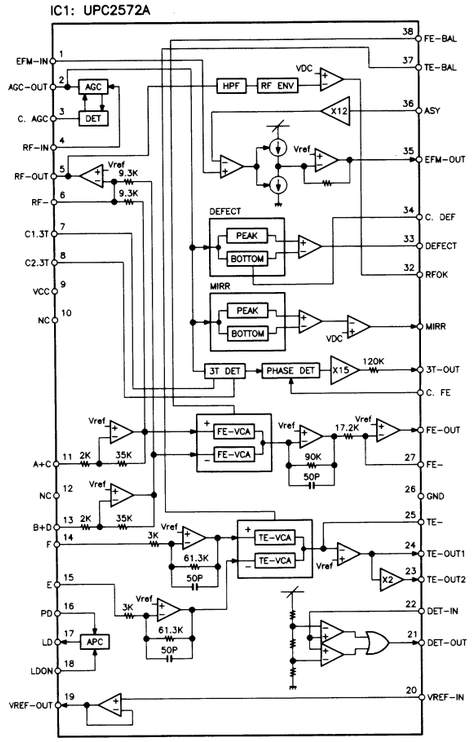
CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

MC-Service

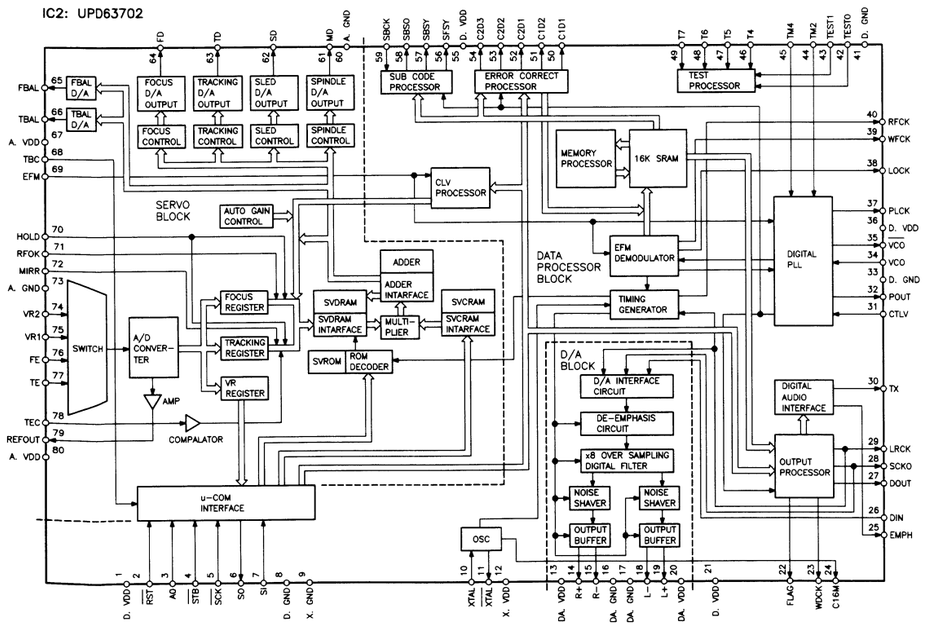
KDC-C660
/C660C/C560

KENWOOD

IC1: UPC2572A



IC2: UPD63702



DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

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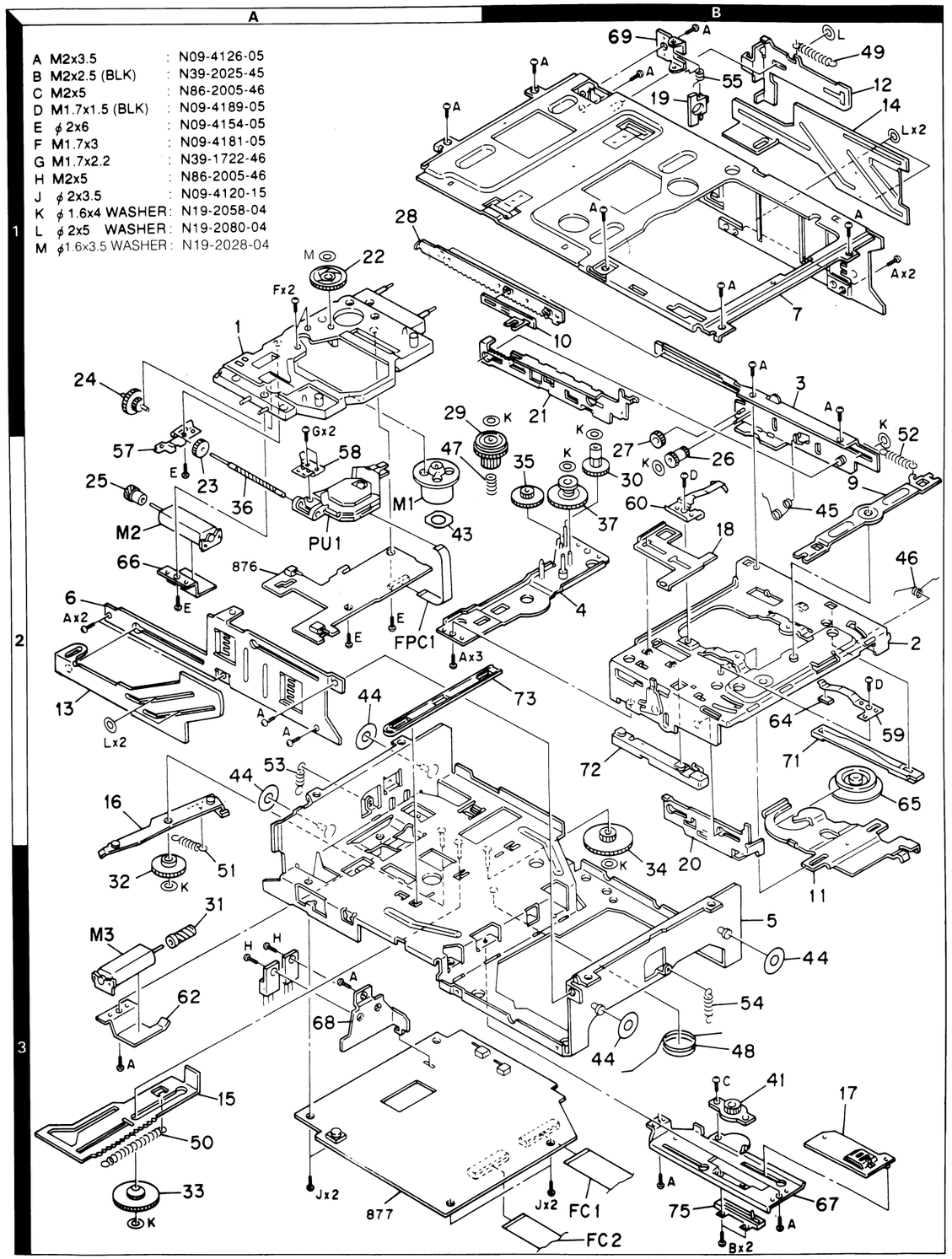
KDC-C660
/C660C/C560

KENWOOD

KDC-C660/C660C/C560

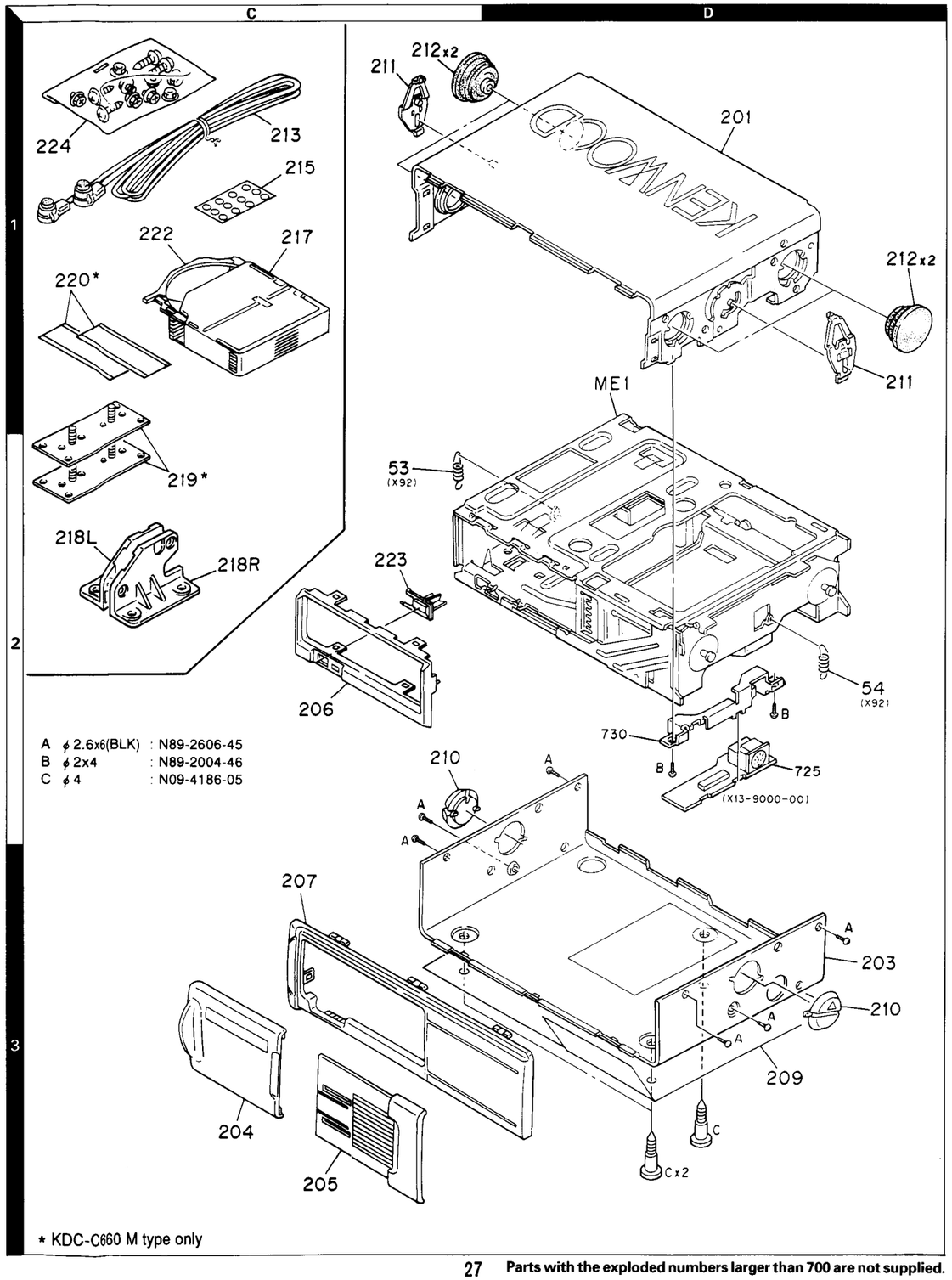
EXPLODED VIEW (UNIT)

A	M2x3.5	: N09-4126-05
B	M2x2.5 (BLK)	: N39-2025-45
C	M2x5	: N86-2005-46
D	M1.7x1.5 (BLK)	: N09-4189-05
E	ϕ 2x6	: N09-4154-05
F	M1.7x3	: N09-4181-05
G	M1.7x2.2	: N39-1722-46
H	M2x5	: N86-2005-46
J	ϕ 2x3.5	: N09-4120-15
K	ϕ 1.6x4 WASHER	: N19-2058-04
L	ϕ 2x5 WASHER	: N19-2080-04
M	ϕ1.6x3.5 WASHER	: N19-2028-04



Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW (MECHANISM)



 Parts with the exploded numbers larger than 700 are not supplied.

KDC-C660/C660C/C560

PARTS LIST

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名/規格	Destination 仕向
KDC-C660/C660C/C560					
201	1D	*	A01-2627-11	METALLIC CABINET (660)	K1M1E1
201	1D	*	A01-2628-11	METALLIC CABINET (560)	K2
201	1D	*	A01-2629-11	METALLIC CABINET (660C)	E2
203	3D	*	A10-4286-01	CHASSIS (660)	K1M1E1
203	3D	*	A10-4287-21	CHASSIS (560)	K2
203	3D	*	A10-4288-21	CHASSIS (660C)	E2
204	3C	*	A21-2355-22	DRESSING PANEL (660)	K1M1E1
204	3C	*	A21-2356-22	DRESSING PANEL (560)	K2
204	3C	*	A21-2357-22	DRESSING PANEL (660C)	E2
205	3C	*	A21-2358-22	DRESSING PANEL (660)	K1M1E1
205	3C	*	A21-2359-22	DRESSING PANEL (560)	K2
205	3C	*	A21-2360-22	DRESSING PANEL (660C)	E2
206	2C	*	A22-1289-22	SUB PANEL (660)	K1M1E1
206	2C	*	A22-1290-22	SUB PANEL (560)(660C)	K2E2
207	3C	*	A64-1031-11	PANEL (660)	K1M1E1
207	3C	*	A64-1036-11	PANEL (560)	K2
207	3C	*	A64-1039-01	PANEL (660C)	E2
209	3D	*	B58-1253-24	CAUTION CARD	
-			B46-0100-50	WARRANTY CARD	
-			B46-0172-13	QUESTIONAIRE CARD (560)(660)	K1K2
-			B46-0182-14	ID CARD (660)(660C)	E1E2
-			B58-1236-04	CAUTION CARD	
-		*	B64-0913-00	INST.MAN(ENG.FRE.SPA.POR)(660)	K1E1
-		*	B64-0913-00	INST.MAN(ENG.FRE.SPA.POR)(560)	K2
-		*	B64-0913-00	INST.MAN(ENG.FRE.SPA.POR)(660C	E2
-		*	B64-0914-00	INST.MANUAL (ENG.,CHI.) (660)	M1
-		*	B64-0915-00	INST.MANUAL(GER.DUT.ITA.)(660)	E1
-		*	B64-0915-00	INST.MANUAL(GER.DUT.ITA.)(660C	E2
210	3D	*	D10-4031-23	ARM	
211	1C	*	D10-4033-04	LEVER	
212	1D	*	D39-0226-03	DAMPER	
213	1C		E30-4138-05	CORD WITH PLUG	
215	1C	*	F19-1303-04	BLIND PLATE	
-		*	H02-0813-13	INNER CARTON CASE	
-		*	H10-4554-12	POLYSTYRENE FOAMED FIXTURE	
-			H25-0337-04	PROTECTION BAG (180X300X0.03)	
-			H25-1115-04	PROTECTION BAG	
-		*	H54-0694-04	ITEM CARTON CASE (660)	K1M1E1
-		*	H54-0695-04	ITEM CARTON CASE (560)	K2
-		*	H54-0698-04	ITEM CARTON CASE (660C)	E2
217	1C		J19-4687-12	HOLDER ASSY (MAGAZINE)	
218L	1C	*	J19-4713-13	BRACKET (L)	
218R	1C	*	J19-4715-13	BRACKET (R)	
219	1C	*	J21-7618-14	MOUNTING HARDWARE ASSY (660)	M1
220	1C		J69-0506-04	ADHESIVE TAPE (660)	M1
222	1C	*	J99-0604-01	TRAY	
223	2C	*	K24-1792-04	KNOB	
224	1C		N99-1628-15	SCREW SET (660)	M1

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名/規格	Destination 仕向
224	1C	*	N99-1645-05	SCREW SET (560)	K2
224	1C	*	N99-1645-05	SCREW SET (660)(660C)	K1E1E2
A	3D		N89-2606-45	BINDING HEAD TAPTITE SCREW	
B	2D		N89-2004-46	BINDING HEAD TAPTITE SCREW	
C	3D	*	N09-4186-05	STEPPED SCREW	
ME1	2D	*	X92-3170-00	MECHANISM ASSY (660)(660C)	K1M1E
ME1	2D	*	X92-3170-01	MECHANISM ASSY (560)	K2
SUB-CIRCUIT UNIT(X13-8990-00)					
CN1			E40-9487-05	FLAT CABLE CONNECTOR	
CN2			E40-9536-05	FLAT CABLE CONNECTOR	
S1 ,2		*	S74-0811-05	MICRO SWITCH	
SUB-CIRCUIT UNIT(X13-9000-00)					
CN1		*	E40-9555-05	FLAT CABLE CONNECTOR	
J1		*	E56-0825-05	CYLINDRICAL RECEPTACLE	
CD PLAYER UNIT(X32-4260-00)					
C1			C92-1336-05	ELECTRO 10UF 6.3WV	
C3			C92-1336-05	ELECTRO 10UF 6.3WV	
C4			CC73FCH1H101J	CHIP C 100PF J	
C5			CK73FB1H223KTA	CHIP C 0.022UF K	
C6			CC73FCH1H030C	CHIP C 3.0PF C	
C7			CC73FCH1H330J	CHIP C 33PF J	
C8			C92-0509-05	CHIP-TAN 10UF 6.3WV	
C9			CK73FB1C104K	CHIP C 0.10UF K	
C10			CK73FB1H103K	CHIP C 0.010UF K	
C11			C92-0509-05	CHIP-TAN 10UF 6.3WV	
C12			CK73FB1C104K	CHIP C 0.10UF K	
C13			CK73FB1H473KTA	CHIP C 0.047UF K	
C14			CK73FB1H472K	CHIP C 4700PF K	
C15			CK73FB1H153KTA	CHIP C 0.015UF K	
C16			CC73FCH1H391J	CHIP C 390PF J	
C17			CK73FB1H103K	CHIP C 0.010UF K	
C18			CC73FCH1H271J	CHIP C 270PF J	
C19			CK73EB1H473K	CHIP C 0.047UF K	
C20			CK73FB1H103K	CHIP C 0.010UF K	
C21			CK73FB1C104K	CHIP C 0.10UF K	
C22			C92-1336-05	ELECTRO 10UF 6.3WV	
C26			C92-1336-05	ELECTRO 10UF 6.3WV	
C28		*	C92-1390-05	ELECTRO 100UF 6.3WV	
C30 -33			CK73FB1H471K	CHIP C 470PF K	
C34 -37			CC73FCH1H181J	CHIP C 180PF J	
C45			CK73FB1C104K	CHIP C 0.10UF K	
C46 ,47		*	C92-1393-05	ELECTRO 10UF 16WV	
C48 ,49			CK73FB1H222K	CHIP C 2200PF K	
C50 ,51		*	C92-1393-05	ELECTRO 10UF 16WV	
C52			C92-1335-05	ELECTRO 4.7UF 16WV	
C53			CK73FB1H332K	CHIP C 3300PF K	
C54			CK73FB1H272K	CHIP C 2700PF K	
C57			C92-0628-05	CHIP-TAN 10UF 10WV	
C60			C92-1335-05	ELECTRO 4.7UF 16WV	
C62			C92-1335-05	ELECTRO 4.7UF 16WV	
C63 ,64			CK73FB1C104K	CHIP C 0.10UF K	
C67			CC73ECH1H101J	CHIP C 100PF J	
C68			C92-1336-05	ELECTRO 10UF 6.3WV	

K1 : KDC-C660 (K type) K2 : KDC-C560
M1 : KDC-C660 (M type) E2 : KDC-C660C
E1 : KDC-C660 (E type)

⚠ indicates safety critical components.

PARTS LIST

* New Parts
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CD PLAYER UNIT (X32-4260-00)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名/規格	Destination 仕向
C71		*	C92-1391-05	ELECTR⊙ 220UF 6.3WV	
C72			C92-1335-05	ELECTR⊙ 4.7UF 16WV	
C73		*	C92-1392-05	ELECTR⊙ 100UF 10WV	
C74			C92-1335-05	ELECTR⊙ 4.7UF 16WV	
C75			CK73FB1C104K	CHIP C 0.10UF K	
C77		*	C92-1388-05	ELECTR⊙ 470UF 16WV	
C78 ,79			CK73EB1H104K	CHIP C 0.10UF K	
C81 ,82			CK73FB1C104K	CHIP C 0.10UF K	
C83			C90-1827-05	ELECTR⊙ 0.047F 5.5WV	
C400			CK73FB1C104K	CHIP C 0.10UF K	
C401,402			C92-0005-05	CHIP-TAN 2.2UF 6.3WV	
C403			CC73FCH1H221J	CHIP C 220PF J	
C404			CK73FB1C104K	CHIP C 0.10UF K	
CN1			E40-9338-05	FLAT CABLE CONNECTOR	
CN2			E40-9404-05	FLAT CABLE CONNECTOR	
X1			L78-0620-05	RESONATOR	
X2			L78-0529-05	RESONATOR	
H	3A		N86-2005-46	BINDING HEAD TAPTITE SCREW	
R1 ,2			RK73FB2A103J	CHIP R 10K J 1/10W	
R3			RK73FB2A393J	CHIP R 39K J 1/10W	
R4			RK73EB2B820J	CHIP R 82 J 1/8W	
R5			RK73FB2A393J	CHIP R 39K J 1/10W	
R6 ,7			RK73EB2B824J	CHIP R 820K J 1/8W	
R8 ,9			RK73FB2A562J	CHIP R 5.6K J 1/10W	
R10			RK73FB2A392J	CHIP R 3.9K J 1/10W	
R11			RK73EB2B223J	CHIP R 22K J 1/8W	
R12			RK73FB2A824J	CHIP R 820K J 1/10W	
R13			RK73FB2A273J	CHIP R 27K J 1/10W	
R14			RK73FB2A303J	CHIP R 30K J 1/10W	
R15			RK73FB2A113J	CHIP R 11K J 1/10W	
R16			RK73FB2A474J	CHIP R 470K J 1/10W	
R17			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R18			RK73EB2B103J	CHIP R 10K J 1/8W	
R19			RK73FB2A103J	CHIP R 10K J 1/10W	
R21 ,22			RK73FB2A104J	CHIP R 100K J 1/10W	
R26 -29			RK73EB2B472J	CHIP R 4.7K J 1/8W	
R30 -33			RK73FB2A562J	CHIP R 5.6K J 1/10W	
R34 -37			RK73FB2A752J	CHIP R 7.5K J 1/10W	
R38 -41			RK73FB2A103J	CHIP R 10K J 1/10W	
R46 ,47			RK73FB2A681J	CHIP R 680 J 1/10W	
R58 ,59			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R60 ,61			RK73FB2A223J	CHIP R 22K J 1/10W	
R62			RK73FB2A682J	CHIP R 6.8K J 1/10W	
R63			RK73FB2A122J	CHIP R 1.2K J 1/10W	
R65			RK73FB2A153J	CHIP R 15K J 1/10W	
R66			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R68			RK73FB2A822J	CHIP R 8.2K J 1/10W	
R70			RK73FB2A562J	CHIP R 5.6K J 1/10W	
R71			RK73FB2A101J	CHIP R 100 J 1/10W	
R73			RK73FB2A682J	CHIP R 6.8K J 1/10W	
R74 ,75			RK73FB2A103J	CHIP R 10K J 1/10W	
R76			RK73FB2A101J	CHIP R 100 J 1/10W	
R78			RK73FB2A101J	CHIP R 100 J 1/10W	
R79 -81			RK73FB2A223J	CHIP R 22K J 1/10W	
R82			RK73FB2A473J	CHIP R 47K J 1/10W	
R83			RK73FB2A103J	CHIP R 10K J 1/10W	
R84			RK73FB2A473J	CHIP R 47K J 1/10W	
R85			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R86			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R87			RK73FB2A104J	CHIP R 100K J 1/10W	
R88			RK73FB2A101J	CHIP R 100 J 1/10W	
R90			RK73FB2A103J	CHIP R 10K J 1/10W	
R91 -93			RK73FB2A104J	CHIP R 100K J 1/10W	
R94			RK73EB2B104J	CHIP R 100K J 1/8W	
R95			RK73FB2A101J	CHIP R 100 J 1/10W	
R97 -99			RK73FB2A101J	CHIP R 100 J 1/10W	
R100			RK73FB2A103J	CHIP R 10K J 1/10W	
R101			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R120			RK73FB2A103J	CHIP R 10K J 1/10W	
R121			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R122			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R123			RK73FB2A103J	CHIP R 10K J 1/10W	
R124			RK73FB2A473J	CHIP R 47K J 1/10W	
R125			RK73FB2A104J	CHIP R 100K J 1/10W	
R126			RK73FB2A183J	CHIP R 18K J 1/10W	
R127			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R135,136			RK73EB2B222J	CHIP R 2.2K J 1/8W	
R200			RK73EB2B100J	CHIP R 10 J 1/8W	
R201			RK73FB2A103J	CHIP R 10K J 1/10W	
R202-212			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R213-217			RK73FB2A104J	CHIP R 100K J 1/10W	
R218			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R221			RK73FB2A104J	CHIP R 100K J 1/10W	
R222			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R223			RK73FB2A104J	CHIP R 100K J 1/10W	
R301			RK73FB2A104J	CHIP R 100K J 1/10W	
R302,303			RK73FB2A104J	CHIP R 100K J 1/10W	
R303			RK73FB2A104J	CHIP R 100K J 1/10W	
R306			RK73FB2A104J	CHIP R 100K J 1/10W	
R401-404			RK73FB2A102J	CHIP R 1.0K J 1/10W	
W2 -4			R92-2052-05	CHIP R 0 J 1/10W	
W7 ,8			R92-2052-05	CHIP R 0 J 1/10W	
W205			R92-2053-05	CHIP R 0 J 1/8W	
W211			R92-2052-05	CHIP R 0 J 1/10W	
W400			R92-2052-05	CHIP R 0 J 1/10W	
S1			S68-0823-05	PUSH SWITCH	
S2		*	S70-0838-05	TACT SWITCH	
S3			S68-0823-05	PUSH SWITCH	
D1 ,2			DAP202K	DIODE	
D4 ,5			MA3056-M	ZENER DIODE	
D9			SC016-2	DIODE	
D10			MA3056-M	ZENER DIODE	
D11		*	MA3075-M	ZENER DIODE	
D12			DA204K	DIODE	
D13 -15			SC016-2	DIODE	
D16			DA204K	DIODE	
IC1		*	UPC2572A	MOS-IC	

K1 : KDC-C660 (K type) K2 : KDC-C560
M1 : KDC-C660 (M type) E2 : KDC-C660C
E1 : KDC-C660 (E type)

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KDC-C660/C660C/C560

PARTS LIST

* New Parts
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CD PLAYER UNIT (X32-4260-00)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名/規格	Destination 仕向
IC2		*	UPD63702	MOS-IC	
IC3			NJM2100M	MOS-IC	
IC5			TA78L05F	IC(VOLTAGE REGULATOR/ +5V)	
IC6		*	UPD78055GC-059	MI-COM IC (560)	K2
IC6		*	UPD78058GC-450	MI-COM IC (660)(660C)	K1M1E
IC7			PST9137NR	ANALOGUE IC	
IC8		*	BA6791FP	ANALOGUE IC	
IC9		*	BA6417F	ANALOGUE IC	
IC10			M5278005	IC(VOLTAGE REGULATOR)	
IC11		*	AK93C45AF	MOS-IC	
IC11		*	BR93LC46AF	MOS-IC	
Q1			2SA1362(Y)	TRANSISTOR	
Q2			DTC124EK	DIGITAL TRANSISTOR	
Q3 ,4			2SD2114K	TRANSISTOR	
Q5			DTA124EK	DIGITAL TRANSISTOR	
Q6			2SB1188	TRANSISTOR	
Q7 ,8			DTC124EK	DIGITAL TRANSISTOR	
Q9			DTA114EK	DIGITAL TRANSISTOR	
Q10			2SA1362(Y)	TRANSISTOR	
Q11			DTA143EK	DIGITAL TRANSISTOR	
Q12			2SA1362(Y)	TRANSISTOR	
Q13 ,14			DTC124EK	DIGITAL TRANSISTOR	
Q15		*	2SB1655(E,F)	TRANSISTOR	
Q16			2SC2412K	TRANSISTOR	
Q17			DTA143EK	DIGITAL TRANSISTOR	
Q18 ,19			DTC124EK	DIGITAL TRANSISTOR	
TH1			NTH5G40B333K01	THERMISTOR	

CD-CH MECHANISM ASSY(X92-3170-00:C660/C, 0-01: C560)

1	1A	*	A10-4229-03	CHASSIS ASSY
2	2B	*	A10-4231-02	CHASSIS CALKING ASSY
3	1B	*	A10-4233-03	CHASSIS CALKING ASSY
4	2B	*	A10-4235-14	CHASSIS CALKING ASSY
5	3B	*	A10-4248-02	CHASSIS CALKING ASSY
6	2A	*	A10-4247-02	CHASSIS
7	1B	*	A10-4249-02	CHASSIS CALKING ASSY
9	2B	*	D10-4018-03	ARM
10	1B	*	D10-4019-03	LEVER
11	2B	*	D10-4020-03	LEVER
12	1B	*	D10-4036-04	ARM
13	2A	*	D10-4037-04	SLIDER ASSY
14	1B	*	D10-4035-13	SLIDER
15	3A	*	D10-4026-03	LEVER
16	2A	*	D10-4027-04	LEVER ASSY
17	3B	*	D10-4029-04	SLIDER ASSY
18	2B	*	D10-4032-03	SLIDER
19	1B	*	D10-4083-03	LEVER
20	2B	*	D12-0618-03	CAM
21	1B	*	D12-0619-03	CAM
22	1A	*	D13-1251-04	GEAR
23	1A	*	D13-1252-04	GEAR
24	1A	*	D13-1253-04	GEAR
25	2A	*	D13-1254-04	GEAR
26	2B	*	D13-1255-14	GEAR
27	1B	*	D13-1256-04	GEAR
28	1A	*	D13-1257-04	GEAR ASSY
29	2A	*	D13-1259-04	GEAR
30	2B	*	D13-1262-14	GEAR
31	3A	*	D13-1263-04	WORM
32	3A	*	D13-1264-04	GEAR
33	3A	*	D13-1265-04	GEAR
34	3B	*	D13-1266-04	GEAR
35	2A	*	D13-1338-04	GEAR
36	2A	*	D19-0614-04	LEAD SCREW
37	2A	*	D19-0615-04	CLUTCH ASSY
41	3B	*	D39-0225-05	DAMPER
FC1	3B	*	E39-0172-05	FLAT CABLE
FC2	3B	*	E39-0173-05	FLAT CABLE
43	2A		F09-1220-04	SHEET
44	3B	*	F09-1245-04	SHEET
45	2B	*	G01-2778-04	TORSION COIL SPRING
46	2B	*	G01-2779-04	TORSION COIL SPRING
47	2A	*	G01-2781-04	COMPRESSION SPRING
48	3B	*	G01-2782-04	TORSION COIL SPRING
49	1B	*	G01-2783-04	EXTENSION SPRING
50	3A	*	G01-2784-04	EXTENSION SPRING
51	3A	*	G01-2785-04	EXTENSION SPRING
52	1B	*	G01-2789-04	EXTENSION SPRING
53	2A	*	G01-2810-04	EXTENSION SPRING
54	3B	*	G01-2809-04	EXTENSION SPRING
55	1B	*	G01-2814-04	TORSION COIL SPRING
57	1A	*	G02-1235-04	FLAT SPRING
58	1A	*	G02-1236-04	FLAT SPRING
59	2B	*	G02-1237-03	FLAT SPRING
60	2B	*	G02-1238-04	FLAT SPRING
62	3A	*	G02-1240-04	FLAT SPRING
64	2B	*	G10-1023-04	FELT
65	2B	*	J11-0614-03	CLAMPER
66	2A	*	J21-7695-04	MOUNTING HARDWARE
67	3B	*	J21-7696-03	MOUNTING HARDWARE
68	3A	*	J21-7698-04	MOUNTING HARDWARE
69	1B	*	J21-7767-03	MOUNTING HARDWARE
71	2B	*	J90-0758-03	GUIDE
72	2B	*	J90-0759-03	GUIDE
73	2B	*	J90-0760-03	RAIL
FPC1	2A	*	J84-0063-05	FLEXIBLE PRINTED WIRING BOARD
A	1B		N09-4126-05	MACHINE SCREW (2X3.5,ｼﾏｲﾄ,ﾌﾛ)
C	3B		N86-2005-46	BINDING HEAD TAPTITE SCREW
D	2B	*	N09-4189-05	TAPTITE SCREW (1.7X1.5(ｼﾏｲﾄ))
E	2A		N09-4154-05	TAPTITE SCREW
F	1A		N09-4181-05	MACHINE SCREW (M1.7X3(ﾛｯｸﾀｲﾄ)
G	1A		N39-1722-46	PAN HEAD MACHIN SCREW
J	3A		N09-4120-15	TAPTITE SCREW (ｼﾏｲﾄ2X3.5ﾒｯｷ)
K	2B		N19-2058-04	FLAT WASHER
L	1B	*	N19-2080-04	FLAT WASHER
M	1A	*	N19-2028-04	FLAT WASHER
75	3B	*	R33-0201-05	SLIDE TYPE VARIABLE RESISTOR

K1 : KDC-C660 (K type) K2 : KDC-C560
M1 : KDC-C660 (M type) E2 : KDC-C660C
E1 : KDC-C660 (E type)

⚠ indicates safety critical components.

DC-C660/C660C/C560

PARTS LIST

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Ref. No. 参照番号	Address 位 置	New Parts 新	Parts No. 部 品 番 号	Description 部 品 名 / 規 格	Destination 仕 向
M1	2A	*	T42-0760-04	DC MOTOR ASSY	
M2 ,3	3A		T42-0749-05	DC MOTOR	
PU1	1A		T25-0209-05	OPTICAL PICKUP HEAD	

K1 : KDC-C660 (K type)
M1 : KDC-C660 (M type)
E1 : KDC-C660 (E type)
K2 : KDC-C560
E2 : KDC-C660C

⚠ indicates safety critical components.

KDC-C660/C660C/C56

SPECIFICATIONS

Specifications subject to change without notice.

CD section

Laser Diode	GaAlAs (l=780 nm)
Digital Filter (D/A)	8 Times Over Sampling
D/A Converter	1 Bit
Spindle Speed	500 ~ 200 rpm (CLV)
Wow & Flutter	Below Measurable Limit
Frequency Response	5 Hz ~ 20 kHz (±1 dB)
Total Harmonic Distortion	0.005 % (1 kHz)
S/N Ratio (dB)	94 dB
Dynamic Range	94 dB
Channel Separation	85 dB

General

Operating Voltage	14.4 V (11 ~ 16 V allowable)
Current Consumption	0.8 A at rated power
Installation Size (W × H × D)	250 × 64 × 173 mm (9-13/16 × 2-1/2 × 6-13/16 in.)
Weight	1.8 kg

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